

Modular,

Integrated

Production System



User Guide A.3

Thank you for purchasing the KIP 5000.

This USER'S MANUAL contains functional and operational explanations for the KIP 5000. Please read this USER'S MANUAL carefully before using the Printer. Please keep this USER'S MANUAL for future reference.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions.

- (1) This device may not cause harmful interference
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Do not install the Machine around other electronic equipment or other precision instruments. Other devices may be affected by electrical noise during operation.

If the Machine is installed near other electronic equipment, such as a TV or a radio, interference to said equipment, such as noise or flickering, may occur. Use a separate power line and install the PRINTER as far as possible from said equipment.

As an ENERGY STAR ® Partner, Katsuragawa Electric Co., Ltd. has determined that this product meets the ENERGY STAR ® guidelines for energy efficiency.



The International ENERGY STAR ® Office Equipment Program is an international program that promotes energy saving through the penetration of energy efficient computers and other office equipment. The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which business proprietors can participate voluntarily. The targeted products are office equipment such as computers, monitors, printers, facsimiles, copiers, scanners, and multifunction devices. Their standards and logos are uniform among participating nations.

Safety Warnings

The following warnings are very important in order to safely use this product.

These notes are important in preventing danger to the operator or operation of the printer.

The following symbols are found throughout the USER'S MANUAL and have the following meaning:



WARNING

This WARNING mark means that there is a possibility of death or serious injury if you fail to not follow the instructions.



CAUTION

This CAUTION mark means that there is a possibility of injury or damage if you fail to follow the instruction.



This symbol means "DO NOT ATTEMPT"



When marked with this symbol, "pay close attention to"



WARNING



Properly Ground the product to a ground source. Failure to do so may result in electrical shock or damage to the equipment.



- The Power source must be as follows:
 120V plus or minus 10%, 16A and 50/60Hz
- 2. Use a circuit with a dedicated breaker.
- 3. Install the product as close to the wall outlet as possible.
- 4. If you wish to move the printer, please contact your service personnel.



- Do not remove screws or open covers unless specifically instructed to do so in this User's Manual. Failure to follow this warning may result in electric shock, or burns.
- 2. Do not disassemble or tamper with the printer. Doing so may result in a fire or electric shock.



- 1. Do not plug in the printer into a multi-wire connector with other equipment. Doing so may result in fire do to the outlet overheating.
- 2. Do not damage the Power Cord by stepping on or placing heavy items on it. If the Power Cord is damaged, it may cause a fire or electric shock. REPLACE THE CORD IF DAMAGED!



Do not place liquids onto the system ie. a flower vase, a flowerpot, coffie cup or any water-filled item on the. Spilt water may cause fire or electric shock.



If the product generates an abnormal smell or noise, turn it off and unplug it form the wall. Contact your certified service technician.



Do not throw the toner or toner cartridge into a fire or other sources of heat, as it can explode.



CAUTION



Do not install the printer in a humidified ordusty room. Do not install the printer on an unstable floor as injuries may occur.



- 1. Unplug the printer before you move it. Failuer to do so may damage to power cord resulting in fire or electric shock.
- If the printer will be out of use for an extended period, (holidays, company shutdown) turn off and unplug the printer from the outlet for safety.



Do not pull the cord when you unplug the printer as you may damage the Power Cord.



There are hot items inside of the printer.

Take great care not to touch these items when you remove mis-fed media.



Ventilate the room well if you print in a small area.

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Section 1

Basic Printer Functions

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1.0 Before Use

1. 1 Installation Requirements

The following conditions are required for installation of the equipment.



- 1. Power source must be rated as follows. 120V plus or minus 10%, 16A and 50/60Hz
- 2. The equipment must be on a dedicated circuit.
- 3. The outlet must be near the equipment and easily accessible.



- 1. Make sure to connect this equipment to a grounded outlet.
- 2. For PLUGGABLE EQUIPMENT, the socket-outlet must be installed near the equipment and must be easily accessible.

Site temperature range = 50 to 89 degrees Fahrenheit; 10 to 32 degrees Centigrade Site humidity range = 20% to 80% RH. (NON CONDENSING) Keep the printer away from water sources, boilers, humidifiers or refrigerators.



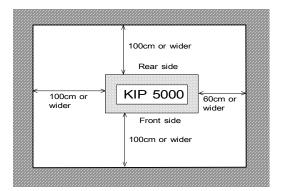
- 1. The installation site must not have open flames, dust or ammonia gases.
- 2. The equipment must not be exposed to air vents from air conditioners; it may affect the image quality.
- 3. The equipment should not be exposed to the direct sunlight. Please draw curtains to block any sunlight. When opening the Upper Unit to remove a mis-feed, do not expose the Photoconductive Drum to strong (intense) light as this will damage the Drum.



Ozone will be generated while this equipment is in use, although the quantity generated is within safe levels. (see certifications) Ventilate the room, if required.

Keep ample space around the equipment to ensure comfortable operation. (Refer to the following figure.)

The equipment must be levelled and the floor strength must be ample to sustain the weight of the equipment.



1. 2 Prohibited Originals

Duplication of many documents is prohibited by law! It may be illegal to possess copies of certain types of documents. We recommend you investigate the copyright status of documents and that you ensure you have right to copy / scan a document prior to performing these functions.

Originals prohibited from copying / scanning (by law)

- 1. You cannot duplicate / copy Currency (Bill, Money, Bank Note, etc.), Government issued Negotiable Instruments (National Bonds, Security, Local Debt Bonds, etc.).
- 2. You cannot duplicate / copy Foreign Currency or Foreign Negotiable Instruments.
- 3. You cannot duplicate / copy unused postal stamps or government postcards without permission to replicate from the Government.
- 4. You cannot duplicate/copy Government issued revenue stamps or certificate stamps, which are issued by the Liquor Tax Acts or the Commodity Tax Acts.

Other Notable Items

- 1. You are warned by the government not to copy / scan, private issued securities (stock certificate, draft, check, goods ticket, etc.), commutation ticket or book of tickets, excluding that some specific companies can copy such originals it requires for their own business.
- 2. We recommend you not freely copy / scan government issued passports, public or private issued licenses, automobile inspection certifications, ID and tickets (passes or meal).

Law To Reference	Items Prohibited to Duplicate
Regulations to control fake currency and	Currency (Bill, Money, Bank Note, etc.),
bonds.	Government issued Negotiable Instruments
	(National Bonds, Security, Local Debt Bonds,
	etc.)
Control Law against Forged or Fake	Foreign Currency or Foreign Negotiable
Foreign Currency, Bill, Bank Note and Bond	Instruments
Forged postal stamps control law	Unused postal stamps or government postcards
Forged revenue stamp control law	Government issued revenue stamps, and
	certificate stamps prescribed by Liquor Tax Act
	or Commodity Tax Act
Currency similarity securities Control Law	Private issued securities (stock, draft, check, goods ticket, etc.), commutation or book tickets

Originals protected by Copyright

It is prohibited to copy / scan:

books, music, paintings, maps, drawings, movies and pictures which are protected by copyright.

1. 3 Key Features

The KIP 5000 is a single footprint Printer which can also copy and scan with an optional scanner. Advanced drivers and comprehensive print utilities make the KIP 5000 an advanced, easy to use system. Please note that some functions may be optional.

The print speeds are up to 100mm/sec (3.9 inches per second) or up to 8 landscape "D" prints/minute.

KIP HDP technology generates no waste toner.

The combination of the KIP HDP Plus imaging system with mono-component minute toner produces high definition lines, distinctive grayscale and consistent blacks.

The maximum paper width is 914mm or 36" wide, and the minimum is 279mm or 11". The maximum paper length is 6m or 19.7 ft and the minimum is 210mm or 8.5".

Up to 600dpi print, copy and scan resolutions, with an advanced Image Process System, produces the highest quality images.

Network Printer Features

- Standard TCP/IP connectivity
- Direct support for vector file formats: HPGL1/2, HP-RTL, Calcomp 906/907
- KIP 5000 DWF format support
- Direct support for raster file formats: TIF Group 3/4, Cals Group 4, Uncompressed Grayscale/Color TIF,
- Optional KIP 5000 PDF format support: PS/PDF file format.
- Standard Windows Driver for KIP Script (PS output) and KIP-GL (HPGL/2,RTL output)
- Standard AutoCAD Drivers
- Unlimited site license of KIP Request allows users to group supported formats together for printing collated sets.
- Integrated Accounting in all KIP Drivers/Request for all network printing.
- Integrated KIP 5000 Web Printing (web server)
- Open architecture ASCII Job Ticket for third party applications

Copier Features (Optional)

- Easy Touch screen control panel
- Collated Sets copying
- Real-time image preview
- Recall/reprint previous jobs
- 600x600DPI copy quality
- Integrated Accounting and Reports for all copying, network printing, scanning
- Network ready copier
- Simple Operator assistance for every day tasks (toner replacement procedure)
- Image stamping
- Information center displays all support information, meter readings, and serial number.
- Color copy to third party color wide format inkjet devices (Optional)

Scan-to-File Features (Optional)

- Scan directly to PDF, TIF Group 4, Cals Group 4
- Scan to file to FTP, LAN location or personal inbox on the KIP 5000
- Selected resolution up to 600 DPI optical
- Automatic original size recognition
- Retrieve scanned image files with KIP Request
- Scan to color (Optional)

Specifications 1. 4

Item	Specification		
Model	KIP 5000		
Configuration	Console		
Printing method	LED Array Electro Photography		
Photoconductor	Organic Photoconductive Drum		
Print speed	3.9 inches per second (100mm / sec)		
	(4 E size or 8 D size in one minute)		
Resolution	600dpi		
Print width	Maximum width 36 inches		
	Minimum width 11 inches (Roll Media)		
	8.5 inches (Cut Sheet Paper)		
Print length	Maximum length 6m - 19.7 ft (Standard)		
	24m - 78 ft or unlimited (Optional)		
	Minimum length 8.5 inches		
	NOTE IS IN COLUMN TO THE COLUM		
	NOTE: If the print is longer than 6m, we can not guarantee image		
	quality or the reliability of media feeding systems.		
Warm up time	Less than 8 minutes		
	(At 74 degrees Fahrenheit 23 degrees Centigrade, 60% RH and		
	120V / Plain Paper)		
First print time	24 seconds / E size (Roll 1)		
Fusing method	Heat Roll Fusing		
Development method	Dry, non-magnetic, mono-component toner		
Exposure method	LED		
Charging method	Corona		
Transfer method	Corona		
Separation method	Corona		
Media feeding method	1. Automatic (2 Roll Decks) + Manual Bypass		
	2. Automatic (4 Roll Decks) + Manual Bypass		
Input power	120V plus or minus 10%, 16A and 50/60Hz		
Average power	Dehumidify Heater is ON		
consumption	0.7kwh (Stand by) / 1.5kwh (Printing)		
Power Saving Mode	98wh (Cold Sleep Mode)		
Acoustic noise	Less than 52db (Stand by) / Less than 60db (Printing)		
Ozone	Smaller than 0.1ppm (Average)		
Dimensions	1,365mm (W) x 700mm (D) x 900mm (H) 53"W x 27"D x 35"H		
Weight	230kg or 510 lbs (2 Roll Model)		
	270kg or 595 lbs (4 Roll Model)		
Media	Plain Paper Bond 18 – 24 lbs		
	Vellum Vellum 18 – 20 lbs		
	Film 3.5 or 4 MIL		
Environmental condition	Temperature 10 to 32 degrees Centigrade (32 to 89 F) and		
	within the humidity range of 20 to 80% RH.		

NOTE: 1. The above specifications may change without notice.

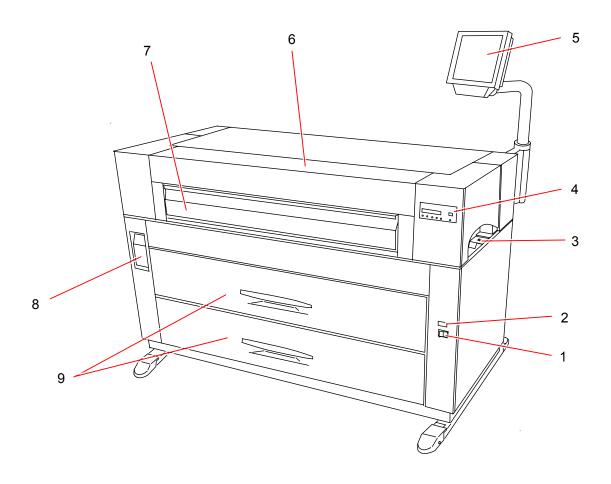
2. [Storage of Consumables]

Media Wrap the media securely to keep out moisture.

Toner Store the cartridge within the temperature range of 0 to 35 degrees Centigrade (32 to 95 F) and within the humidity range of 10 to 85% RH.

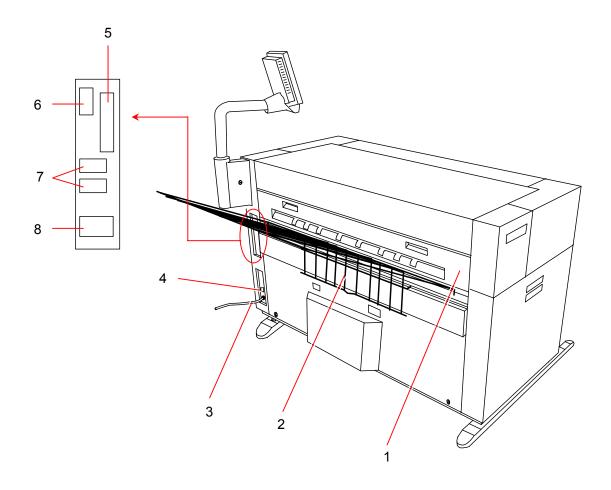
1. 5 Exterior Views

1. 5. 1 Front view



	Name of part	Function
1	Power Switch	Press "ON" to turn on the printer, and press "OFF" to turn it off.
2	Counter	It counts the total amount printing. (Unit default = sq ft)
3	Dehumidify Heater Switch	Press "H" to turn on the Dehumidifier, and press "L" to turn it off.
4	Sub Display Panel	Printer information and error codes are indicated on this panel.
5	User Interface	This is a Touch Screen, and many user operations are available.
6	Toner Cover	Open the Toner Cover when you replace the Toner Cartridge.
7	Manual Table	Open to insert a sheet of paper, or to pull the Upper Frame Unit.
8	Lever	Pull the Lever forward to release the Internal Feeder Unit.
9	Roll Decks	Each Roll Deck holds 2 rolls of print media.

1. 5. 2 Rear view



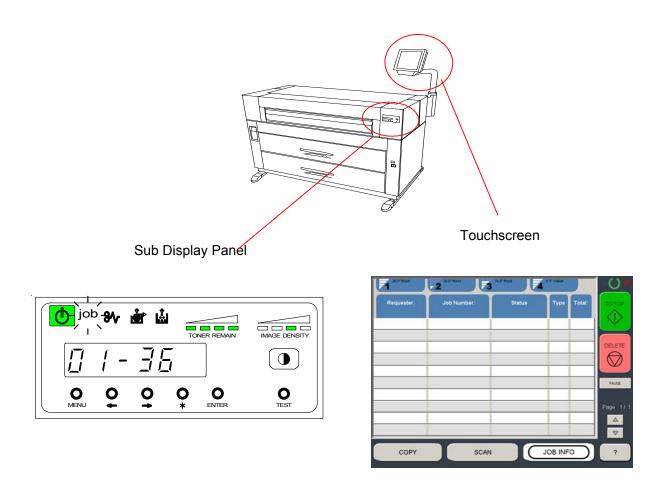
	Name of part	Function
1	Exit Cover	Open the Exit Cover when you remove mis-fed media.
2	Tray	Prints are stacked here after being printed.
3	Power Cable	Connect to the outlet.
4	Breaker	AC power overload protection.
5	Interface Terminal	Connect the scanner cable to this terminal, (included with the KIP
		scanner Model 2200 or 2100)
6	USB connector	Connect the scanner cable to this terminal (included with the
		KIP600).
7	COM Port	Connect the cable from the Optional Folder Device.
8	LAN Port	Connect the LAN Cable to connect the KIP5000 to the network.

1. 5. 3 Touchscreen / Sub Display Panel

There is a Touchscreen and a Sub Display Panel on the printer.

Some functions on the Touchscreen are also displayed on the Panel.

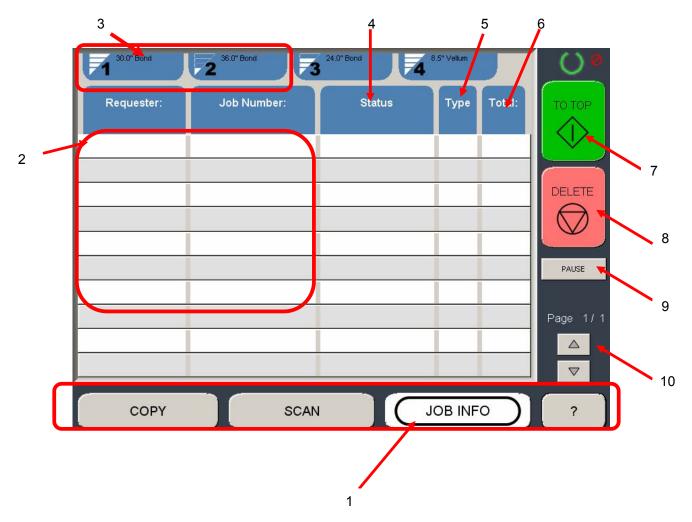
Refer to the following page for indicators and basic functions of the Operation Panel / Touchscreen.



The following pages only contain notes on the "Job Info" screen which is used in a printer only configuration.

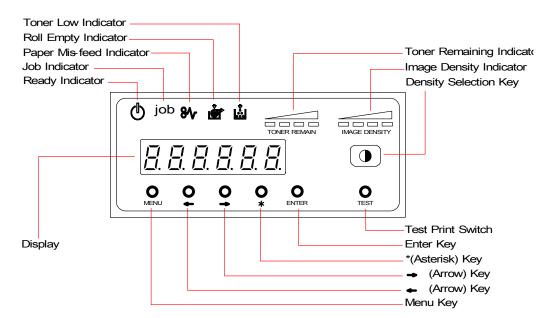
Other menus or screens may also be accessible but are detailed in other User Guides. Other screens may be included in alternative options of the KIP 5000.

Job Info Screen



No.	Name	Function
1	Mode	Selects the "Mode" of the system. (Job Mode for this screen shown)
2	User Name – Job #	Display the User and any user info of the job ID. A job can be selected for other functions noted below.
3	Media Information	Displays Width, Type and amount remaining per roll deck
4	Status	Shows the current status of a job and media selection.
5	Type	Displays a copy or network print job
6	Total	Displays the total number of prints and current number printed.
7	То Тор	After a job is selected (see #2) its position in the queue can be changed, making it the next job printed.
8	Pause	Pauses printer to allow media change, etc
9	Delete	After a job is selected (see #2) it can be removed from the print queue.
10	Up/Down	Scrolls through pages in the queue if so available.

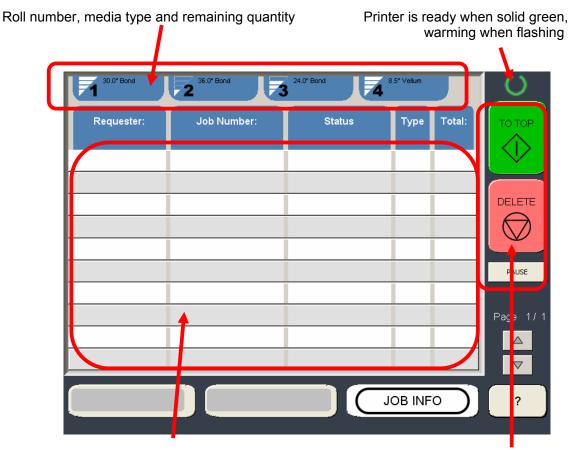
Sub Display Panel



Name of part	Functiom		
Toner Low Indicator	Lights when toner is required.		
Roll Empty Indicator	Lights when the roll media in the selected Roll Deck is empty. It can also light when the media is not correctly installed.		
Paper Mis-feed Indicator	Lights when the printer or optional device fails to feed the media. A mis-feed code is indicated on the Display if this occurs.		
Job Indicator	Lights when the printer receives a job		
Ready Indicator	OFF : Power is off. Lighting RED : Warming up / Printing is prohibited. Flashing RED : The printer is in the Warm Sleep Mode. (Quick Flash) (For Information on Warm Sleep Mode, refer to pages 3-11 to 3-12.) Flashing RED : The printer is in the Cold Sleep Mode. (Normal Flash) (For Information on Cold Sleep Mode, refer to pages 3-9 to 3-10.) Lighting GREEN : Ready / Printing. Flashing GREEN : Temperature Recovering Mode (Printing is temporarily interrupted to recover the temperature of Fuser Unit.)		
Display	It indicates the selected Roll Deck and the width of the roll media in the selected Roll Deck. It also indicates an error code if the printer has an error such as "paper mis-feed" or "door open".		
Toner Remaining Indicator	Toner Remaining Quantity is indicated in 1/4 steps. : Toner remains more than 3/4. : Toner remains more than 2/4. : Toner remains more than 1/4. : Toner remains less than 1/4.		
Image Density Indicator	Image Density is indicated in 1/4 steps.		
Density Selection Key	You may change the density level by pressing the Density Selection Key. (please also see the Touchscreen "?" "Configuration")		
Test Print Switch	A test pattern will be printed out if you press the Test Print Switch. (Service purposes only.)		
Enter Key	Selected job is defined. (User Mode)		
* (Asterisk) Key	Function selection (User Mode)		
→ (Right Arrow) Key	Mode selection (Increment) (User Mode)		
← (Left Arrow) Key	Mode selection (Decrement) (User Mode) Menu selection (User Mode)		
Menu Key	ואובווע אבובטנוטוו (טאבו ואוטעב)		

1. 6 Display during Normal Operation

The following default screen appears on the touchscreen if the system is only a **network printer**. Please see other chapters for copy, scan and "?" modes.

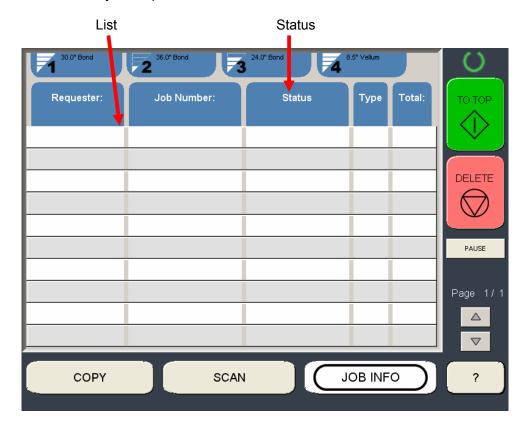


All jobs displayed here with current status and can be moved or deleted.

As well as the touchscreen, there is a Sub Display Panel that indicates the following information during normal use of the printer. The key functions of the SUB Display Panel are service functions. Please perform the user functions on the Touchscreen.

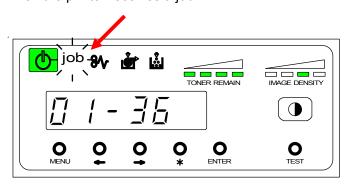
(1) Processing a print

On the Touchscreen all jobs or prints will be listed as well as the status:

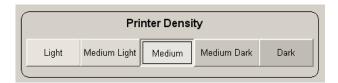


On The Sub Display Panel

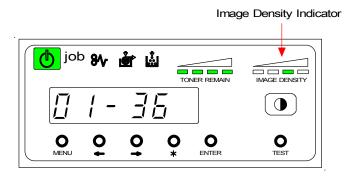
The Job Indicator lights when the printer receives a job.



(2) Image Density level Please also see the Touchscreen "?" screen, Configuration Menu, Page 1 for this setting.



The user can also adjust the density on the printer. Any of the 4 LED's of the Image Density Indicator will light according to the density level you selected. Image density becomes darker when you select LED's further to the right.

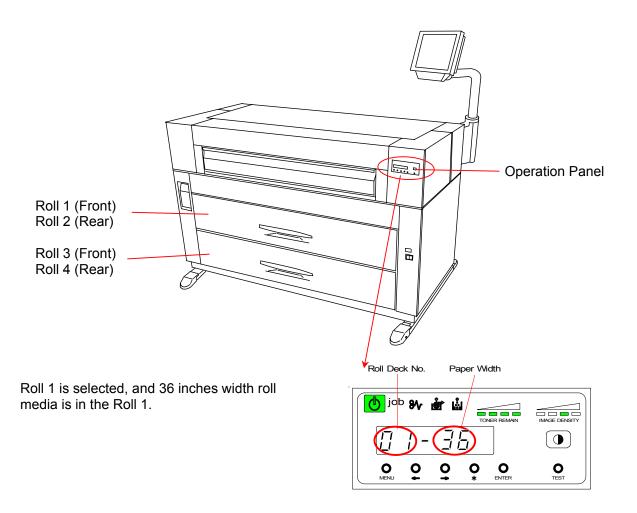


(3) Roll Deck, the roll width and roll material currently used

The touchscreen will display the currently installed and configured media on the top of the Job Info Screen.



The display on the Sub Display Panel **only indicates the current** Deck Number and the media width. Before printing or copying, you can select which roll media to use from the workstation or the copier user interface.



1. 7 Optional Configurations

Standard configuration of the KIP 5000 is **Network Printing.** Print via TCP/IP from Windows and CAD applications. Included: Windows/PS drivers, AutoDesk Drivers, "KIP Request" job submission utility and "KIP PrintNet" for web based submissions.

Please contact your Authorized KIP Dealer for the following options available for the KIP 5000:

1) Copy

Adds the advanced functions of copying.

2) Scanning

Adds the function of scan to file, SMB or FTP sites in a variety of file formats.

3) Color Copy / Scan

Color scan to file and color copy to a third party wide format inkjet device.

4) PDF / PS Printing

Allows direct PDF and Postscript file format printing from various applications including KIP Request.

5) Roll Deck 3 and 4

Second drawer of media for increased productivity.

6) Print Tray - Slant Stacker KIP 200

To accommodate a larger quantity of prints than the standard rear print tray a rearward stacking system is available.

7) Print Tray - KIP 300 Vertical Stacker

This device separates A, B and C sizes from D and E documents. It can hold up to 250 documents.

8) Print Tray - KIP 1200

This device is a horizontal stacker that holds in excess of 500 documents of various sizes.

9) Folding (KIPFold)

For fan and crossfold functions.

All KIP 5000 options and accessories are subject to change without notice. Please contact your local Authorized Reseller for details on current available options for the KIP 5000.

1.8 **Media Specifications**

1.8.1 **Print Sizes**

Available print sizes are as follows:

	Minimum	Maximum
Width	11 inches (Roll Paper)	36 inches
	8.5 inches (Cut Sheet paper)	
Length	8.5 inches	19.7 ft



A NOTE

It is possible to print longer than 19.7 ft (6 m) as an option. You can choose either "24m" or "unlimited" as a maximum print length. Call your service personnel if you would like to print over 6meters as the user can not change this setting in the printer.

If you print longer than 19.7 ft or 6 meters, the image quality or the reliability of media feeding is not guaranteed.

1. 8. 2 Media not to be used

Do not use the following kinds of printing paper. Doing so may damage the printer.

le	
Excessively curled	
Folded	
Creased	
Torn	
Punched	00000000

Pre-printed	
	KIR
Extremely slippery	
Extremely sticky	
Extremely thin and soft	
OHP Film	



A CAUTION

Do not use paper with staples.

Do not use such conductive paper such as aluminium foil and carbon paper.

The above may result in fire or damage to the machine.

▲ NOTE

- (1) Print image may become light if printed on the rough surface of the paper.
- (2) Print image may be poor if the print paper has excess curl.
- (3) Using paper that does not satisfy the specifications may cause paper mis-feeds, poor print images, or creasing.
- (4) Do not use paper with "unique" surfaces, such as thermal paper, art paper, aluminium foil, carbon paper and conductive paper.
- (5) Vellum that is exposed to air over a long period of time tends to cause poor printing. We recommend you that you remove one round on the surface of the vellum by using the Initial Cut Key on the User Interface (UI).
- (6) Remove all adhesive from the media roll that may remain from tape placed onto the media by the media supplier.

Maintaining the Media 1. 8. 3

Store the media noting the following:

- 1. Do not expose the paper to the direct sunlight.
- 2. Keep the paper away from high humidity. (It must be stored at less than 70%)
- 3. Put the paper on a flat surface, do not damage the media.
- 4. If you will store paper that has already been unpacked, put it into a plastic bag to avoid moisture in the media.

1. 8. 4 **Environmental Condition - Correction**

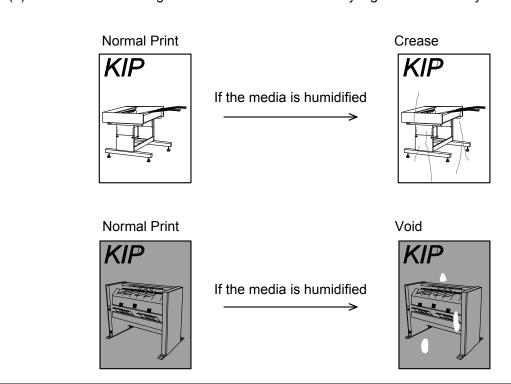
Take the necessary actions according to the environmental condition as shown below.

Humidity(%)	Possible problem	Necessary treatment
Low	"Void of image", "crease of paper" and other problems occurs when you print.	 Install a humidifier in the room, and humidify the air. Remove the media from the machine immediately after the printing, and keep it in a polyethylene bag.
	"Void of image" occurs when you print with vellum.	When not using it, remove the vellum from the machine and keep it in a polyethylene bag.
40%		Remove the paper from the machine after everyday use, and keep it in a polyethylene bag.
70%	"Void of image" occurs when you print with plain paper and vellum.	When not using it, remove the media from the machine and keep it in a polyethylene bag.
↓ ↓ High	"Void of image", "crease of paper" and other problems occurs when you print	 Turn on the Dehumidify Heater. Remove the media from the machine immediately after the completion of print, and keep it in a polyethylene bag.



▲ NOTE

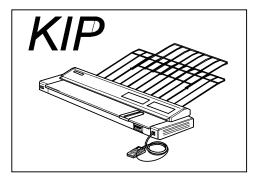
- (1) KIP5000 is equipped with a Dehumidify Heater. Using it in high humidity environment (65% or higher) is recommended.
- (2) "Voids" and "creasing" will occur in case of extremely high or low humidity.



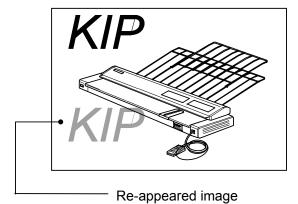


(3) Re-appearance of image (especially solid black images) may occur if you print with a humidified film.

When film is installed in a high humidity environment (higher than 60%RH), we recommend that you turn on the Dehumidify Heater.





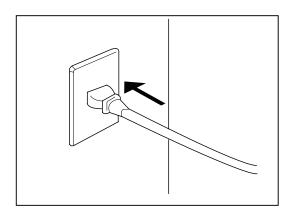


rto appoarou imago

Basic Functions

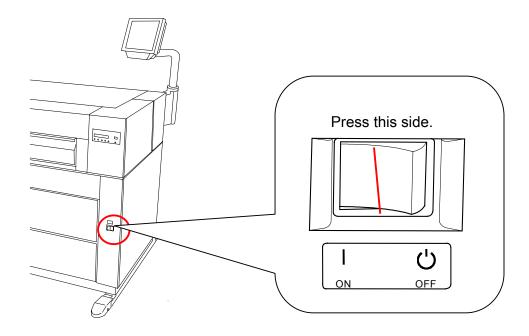
Turning on the Printer 2. 1

1) Plug the printer into an exclusive wall outlet.



MARNING

- (1) Ground the printer for safety.
- (2) Do not plug the printer into a multi-wiring connector. It may cause the outlet to overheat resulting in fire, or damage to the machine.
- (4) The outlet must satisfy the following power condition. 120V plus or minus 10%, 16A and 50/60Hz
- 2) There is a Power Switch on the right-front of the printer. Press "ON" to turn the printer on.

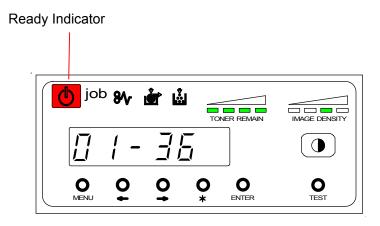


3) On the touchscreen upper right corner is an indicator that displays the status of the printer. If it is orange and flashing the printer is warming up. When it is green then the printer is ready to print. Warming up may take up to 8 minutes, from room temperature.





4) There is also an Indicator on the Operation Panel. When it lights red the printer is warming up.



5) When the Fuser is warmed, the Ready Indicator light will change to green and the printer is ready. This may take up to 8 minutes, from room temperature.



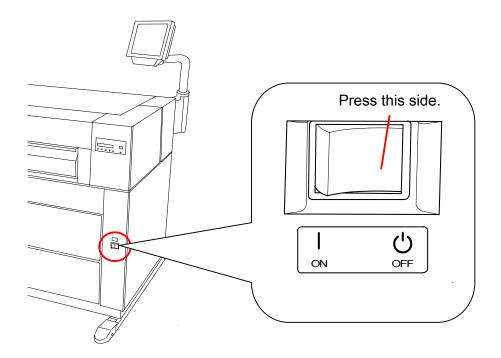
♠ NOTE

It is impossible to make any prints when the light is Red. Please wait until the light turns Green.

6) Print from your computer or copy from the scanner.

Turning off the Printer 2. 2

1) Press "OFF" on the Power Switch to turn off the printer.



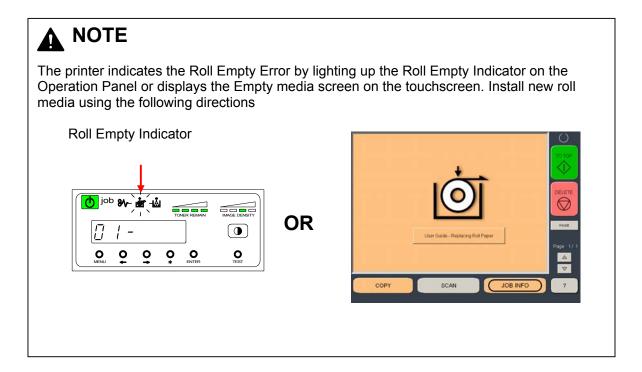


A CAUTION

The KIP 5000 and the User Interface (UI) appear to be shut down when you turn off KIP 5000, the IPS inside of the KIP 5000 is still operating for approximately 2 minutes after Power Switch operation.

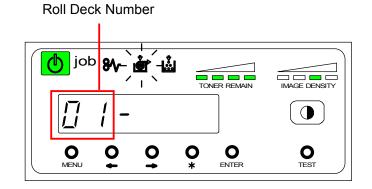
Do not unplug the KIP 5000 before the IPS shuts down. Doing so may damage data or the device.

2. 3 Replacing the Roll Media

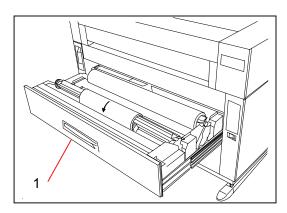


1) When the Roll Empty Indicator lights or is displayed, check the Roll Deck Number on the Seven Segments Indicator to see which Roll Deck is empty.

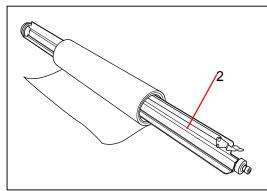
Example: Roll Deck Number is "01". This means the media in the Roll 1 is empty.



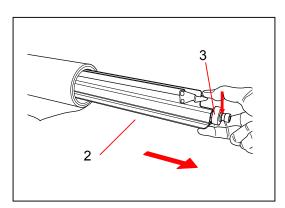
2) Open the Roll Deck (1). Rewind the remaining paper around its core as indicated by the arrow.



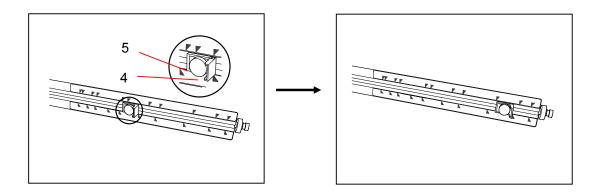
3) Remove the Roll Spool (2) from the Roll Deck.

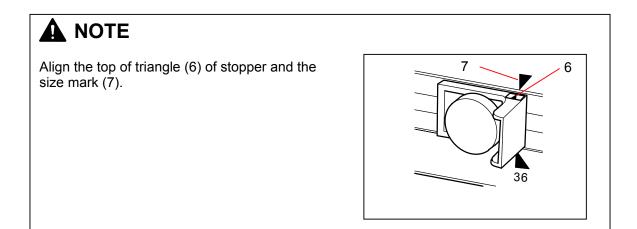


4) Pull out the Roll Spool (2) from the core of the roll while pressing down Lever (3).

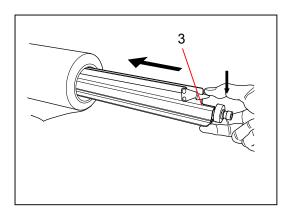


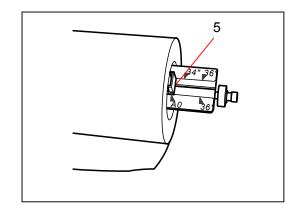
5) Loosen the Thumb Screw (4), and slide the Stopper (5) according to the width of the new roll of media. Tighten the Thumb Screw to hold the Stopper at the corresponding size mark.

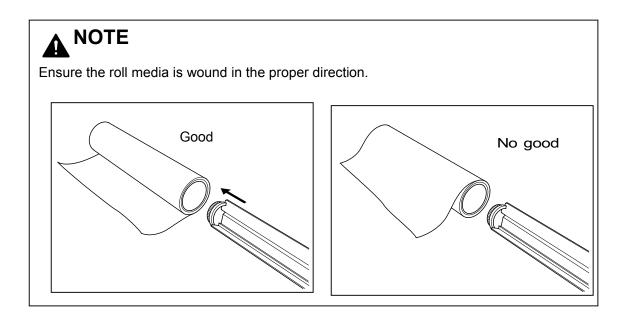




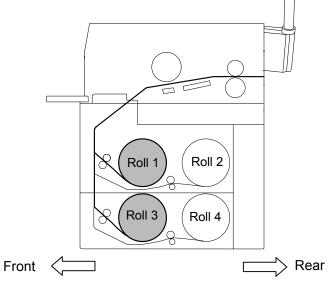
6) Insert the Roll Spool into the core until the Stopper (5) touches the roll media while pressing down the Lever (3). Then, release the Lever (3) to "catch" the roll media with the Roll Spool.



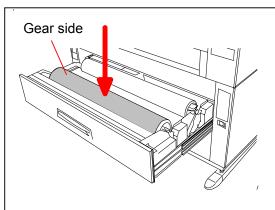




7) Loading Roll 1 or Roll 3

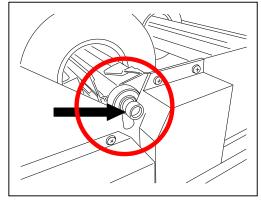


7-1) Put the Roll Spool back into the Roll Deck. (Gear side is on the left and Lever side is on the right.)

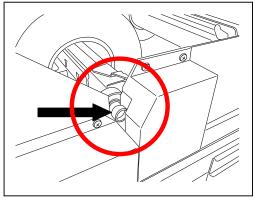




When you place the Roll Spool back into the Roll Deck, make sure to fit the collar of the right side of the Roll Spool into the proper position.

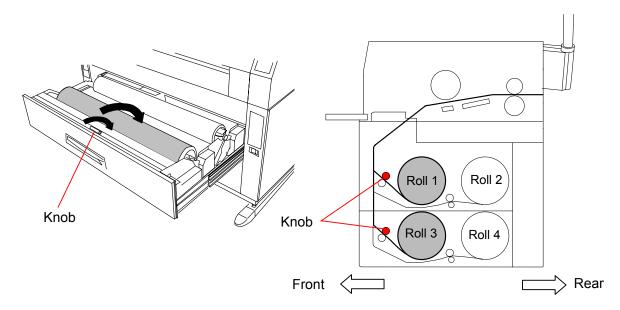


No Good (The collar of the Roll Spool is out of the proper position.)



Good (The collar is set in the proper position.)

7-2) Rotate the green knob to the direction indicated by the arrow and feed the leading edge of the media between the Feeding Rollers.



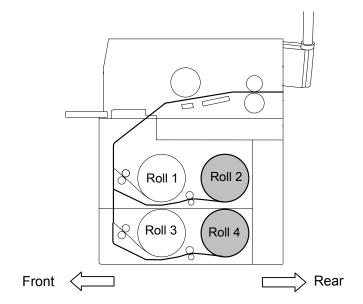
A

NOTE

When you load the media, rotate the Paper Feeding Roller Knob. Do not feed the media too much because the leading edge may come out from the gap. If you close the Roll Deck while the leading edge is sticking out of the gap, the roll media will fold and printing will be unavailable.

- 7-3) Close the Roll Deck.
- 7-4) Press the Initial Cut Key on the User Interface (UI) to cut the leading edge. Remove the cut leading edge.

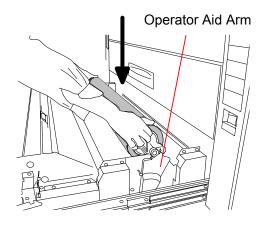
8) In Loading Roll 2 or Roll 4



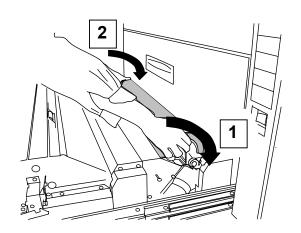
▲ NOTE

Use the "Operator Aid Arm" to load the roll paper onto the deeper Deck (Roll 2 and Roll 4) Follow the above procedure for your safety.

8-1) Place the Roll Spool onto the Operator Aid Arm. (Gear side is on the left and Lever side is on the right.)



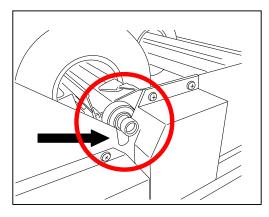
8-2) Slide the right side of the Operator Aid Arm backward. Then slide the left side of the Operator aid Arm backward to install the Roll Spool in the Roll Deck. (Do not slide both sides of the Operator Aid Arm at the same time.)



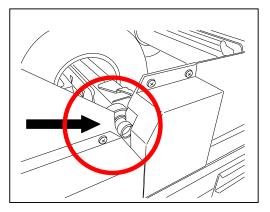


A NOTE

When you place the Roll Spool back into the Roll Deck, make sure to fit the collar of the right side of the Roll Spool into the proper position.



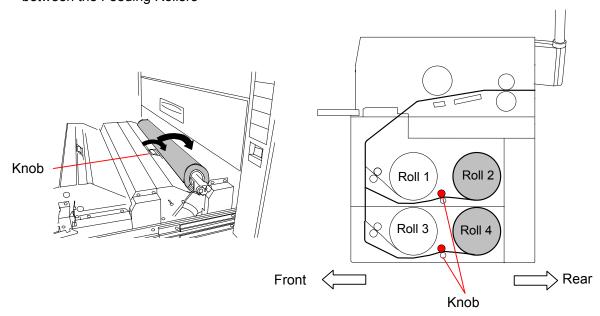
In Correct (The collar of the Roll Spool is out of the proper position.)



Correct (The collar is set in the proper position.)

1-32

8-3) Rotate the green knob as shown by the arrow and feed the leading edge of the media between the Feeding Rollers



▲ NOTE

When you load the media, rotate the Paper Feeding Roller Knob. Do not feed the media too much because the leading edge may come out from the gap. If you close the Roll Deck while the leading edge is sticking out of the gap, the roll media will fold and printing will be unavailable.

- 8-4) Close the Roll Deck.
- 8-5) Press the Initial Cut Key on the User Interface (UI) to cut the leading edge. Remove the cut leading edge.

2. 4 **Replacing the Toner Cartridge**



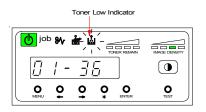
A WARNING

There is combustible powder in the toner cartridge. Do not burn the used toner cartridge.



♠ NOTE

(1) The printer will indicate the Toner Low Error by lighting the Toner Low Indicator on the Operation Panel or displaying the Toner Low screen the Touch panel as shown

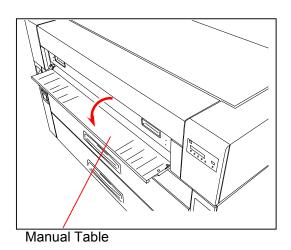


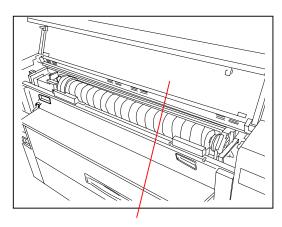
OR



Replace the Toner Cartridge with the new KIP 5000 cartridge using the following procedure:

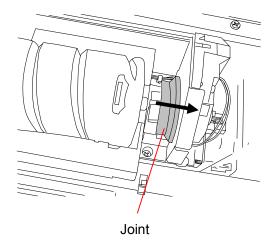
- (2) If your hands or your clothing are soiled by toner, gently dust off the toner. If you are unable to dust off the toner, wash the clothing with the cold water. (Do not use hot because it will cause the toner to be absorbed into the fiber.)
- 1) Open the Manual Table, then open the Toner Cover.



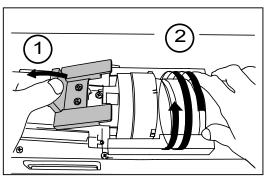


Toner Cover

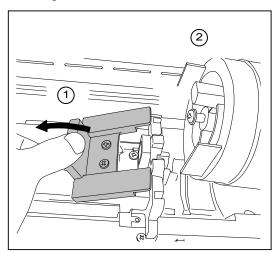
2) Push the Joint (3) rightward to free the Toner Cartridge until the Joint is latched.



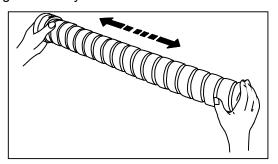
3) Press the Lever to left, and then rotate the Toner Cartridge (**not the Cap of Cartridge**) in the direction indicated by the arrow to close the opening. Approximately 2 rotations closes the opening, but turn the Toner Cartridge until it stops.



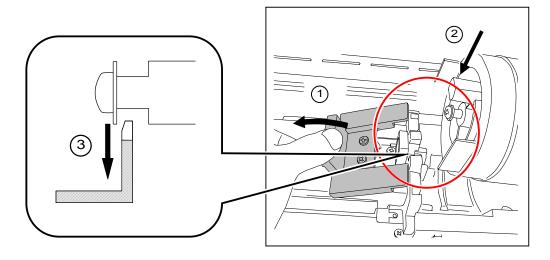
4) Continuing to press the Lever to left, lift up the Toner Cartridge.



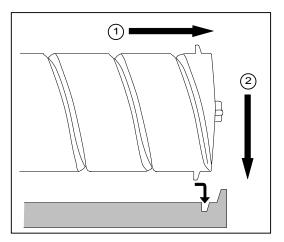
5) Shake a new Toner Cartridge several times left to right to evenly distribute the toner.



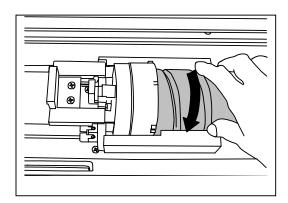
6) Press the Lever (1) to left, and place the new Toner Cartridge into the machine, ensuring the opening is downward. Insert the far left Collar of the Toner Cartridge into the slot securly.



7) Pull the Toner Cartridge to rightward a little, and insert the notch in the slot.



8) Rotate the Toner Cartridge to backward (in the direction indicated by the arrow) a minimum of 90 degrees. (The new Toner Cartridge is tightly closed during shipment)



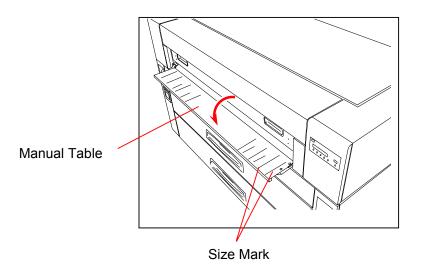
▲NOTE

Do not fit the joint into the Toner Cartridge. When the machine is turned on, it automatically fits the joint.

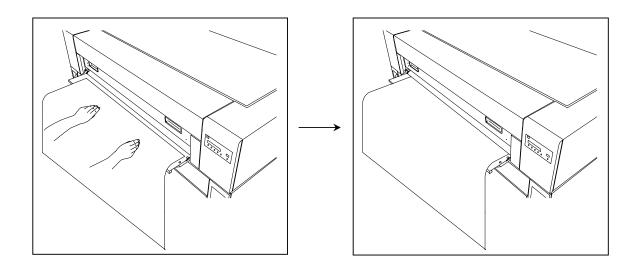
9) Close the Toner Cover, then close the Manual Table.

2. 5 **Setting the Cut Sheet Paper**

1) Open the Manual Table.



2) There are several size mark on the Manual Table. Place the cut sheet paper at the appropriate size mark, and then insert it into the Bypass Feeder using the size mark as a guide.



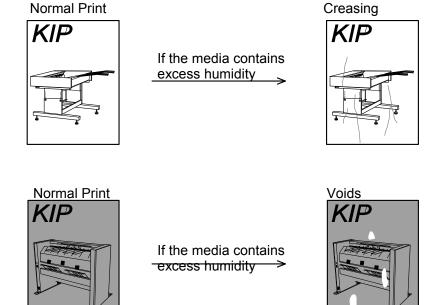


▲ NOTE

When the Cut Sheet Paper is inserted manually, its size and media are not indicated on the Operation Panel.

2. 6 Dehumidifying the Roll Media

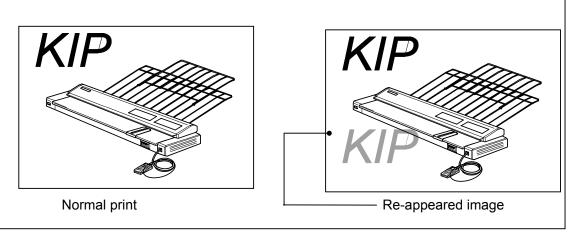
If the roll paper is stored in an extremely humid location, it may cause poor prints. You will most likely experience "creasing" and "voids".





Repearance of image (especially solid black image) may occur if you print with humidified film.

When film is installed in a high humidity environment (higher than 60%RH), we recommend that you turn on the Dehumidify Heater.



Turn on the Dehumidify Heater if the room air has too much humidity (65% or higher) to prevent the above kinds of print defect.

You may be able to fix the above kinds of problem.



▲ NOTE

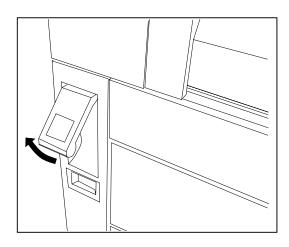
(1) There are several dehumidifying settings that can be set by a certified service technician. These settings establish the dehumidifier functions. For any setting to function properly, the printer must be plugged in and the switch noted below must be in the "ON" position.

Call your certified service technician if you would like to change the setting. Note: the user can not change the setting.

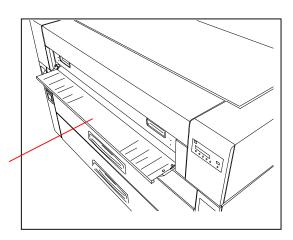
(2) To achieve the best image quality, we recommend that you remove manufacture packaging isut before installing it into the printer. If media is unpacked long before installation, poor image quality may occur.

There is a Dehumidify Heater Switch inside of the machine.

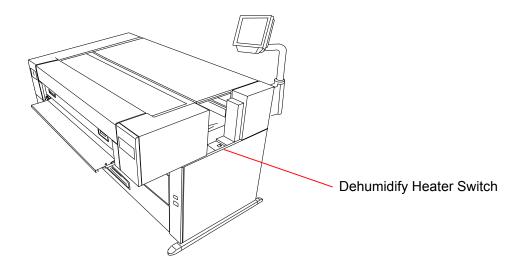
1) Lift up the Lever of the Internal Feeder Unit.



2) Open the Manual Table.



3) Pull out the Upper Frame Unit to your side.



4) Press "H" side on the switch to turn on the Dehumidify Heater.

3. 0 User Modes

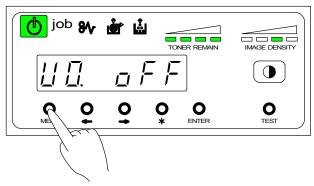
3. 1 User Modes

Most functions of User Modes are Service Functions and you may wish to converse with your local certified KIP Technician prior to enabling any of these modes. Most User Mode functions are performed on the touchscreen in the "?" screen.

To enter in the User Mode

Press [Menu] key more than 3 seconds.

Then User Mode Number and its contents are displayed on the Operation Panel.



Pressing [\longrightarrow] or [\longrightarrow] key, you can change the User Mode.

Indication on the Operation Panel	User Mode	Reference page
U0.	User Mode 0: Image Area Expanded Mode Set In Touchscreen - "?"	3- 4
U1.	User Mode 1: Image Enhancement Setting Mode Set In Touchscreen - "?"	3- 5
U2.	User Mode 2: Auto Power Off Timer Setting Mode Set In Touchscreen - "?"	3- 7
U3.	User mode 3: Auto Power Off Setting Mode Set In Touchscreen - "?"	3- 8
U4.	User Mode 4: Cold Sleep Timer Setting Mode Set In Touchscreen - "?"	3- 9
U5.	User Mode 5: Cold Sleep Setting Mode Set In Touchscreen - "?"	3-10
U6.	User Mode 6: Warm Sleep Timer Setting Mode Set In Touchscreen - "?"	3-11
U7.	User Mode 7: Warm Sleep Setting Mode Set In Touchscreen - "?"	3-12
U8.	User Mode 8: Short Interval Setting Mode Service Mode Only	3-13
U9.	User Mode 9: L / L Environment Setting Mode Service Mode Only	3-14
UA.	User Mode A: H / H Environment Setting Mode Service Mode Only	3-15

To exit from the User Mode

Press [Menu] key again.

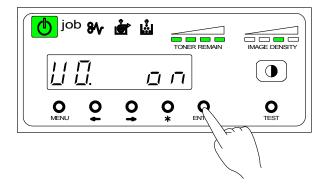
3. 2. 1 User Mode 0: Image Area Expanded Mode

Please Set the Touchscreen - "?"

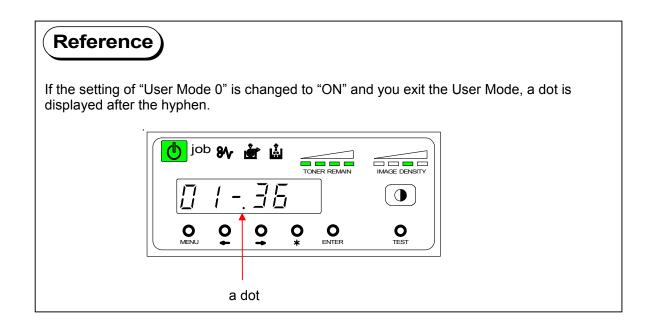
Keep this mode always "Off". (Do not change this setting.)

If this function is on, Image Area may expand to right, left and trailing edge side. However, this function does not guarantee the image of the trailing side. In addition print productivity is reduced compared with the normal operation.

Press [Enter] key to change the setting value.



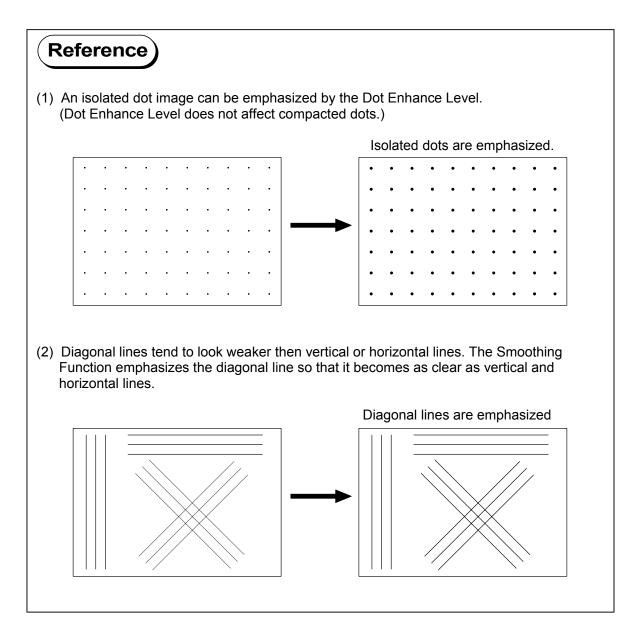
U 0. on: Image area is expanded.U 0. off: Image area is not expanded.



3. 2. 2 User Mode 1: Image Enhancement Setting Mode

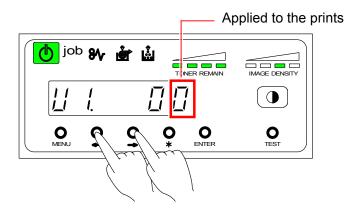
Please Set the Touchscreen - "?"

A weak image can be emphasized by functions such as the Dot Enhancement Level and the Smoothing Function (which can make images it looks clearer).



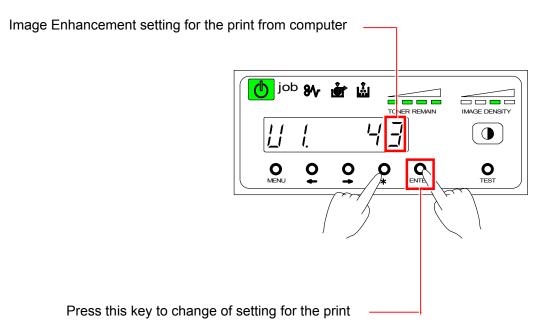
1-44

1) Select "U1." by pressing [\leftarrow] or [\rightarrow] key.



The setting value consists of 2 digits. The left value is not used. The right one is applied to the print from the network.

2) Press [Enter] key to change the Image Enhancement Level for the print from controller. Then the selected data is fixed.



Setting Value	Contents	
0	Dot Enhancement Level 0 : None	With
1	Dot Enhancement Level 1 : Weak	the Smoothing Function
2	Dot Enhancement Level 2 : Medium	
3	Dot Enhancement Level 3 : Strong	
4	Dot Enhancement Level 0 : None	Without
5	Dot Enhancement Level 1 : Weak	the Smoothing Function
6	Dot Enhancement Level 2 : Medium	
7	Dot Enhancement Level 3 : Strong	

User Mode 2: Auto Power-Off Timer Setting 3. 2. 3 Mode

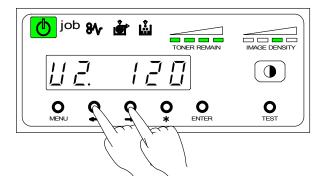
Please Set the Touchscreen - "?"

This mode allows you to set Auto Power-Off Timer.

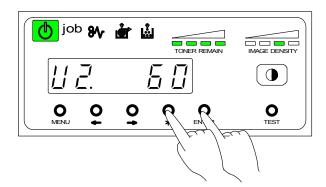


The Auto Power-Off Function cause the Power Switch to turns OFF automatically after a time set in User Mode 2. (To turn the printer on, press the "ON" side of the Power Switch.)

1) Select "U2." by pressing [←] or [→] key. The current timer setting is displayed.



2) Press [*] (increment) or [Enter] (decrement) key to change the setting value. Timer is adjustable between 5 and 240 minutes (1 min. step).



▲ NOTE

To make this mode work, it is necessary to make the Auto Power Off Setting Mode (User Mode 3) ON. (Refer to page 3-8)

3. 2. 4 User Mode 3: Auto Power-Off Setting Mode

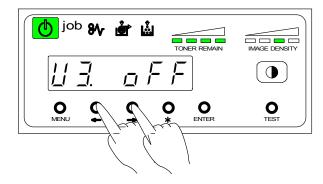
Please Set the Touchscreen - "?"

This mode allows you to select Auto Power-Off function.

Reference

The Auto Power-Off Function causes the Power Switch to turn OFF automatically at a time set in User Mode 2. (To turn the printer on, press the "ON" side of the Power Switch.)

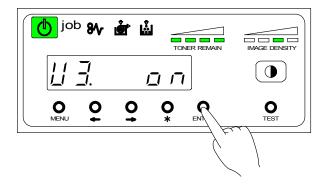
1) Select "U3." by pressing [\leftarrow] or [\rightarrow] key.



U 3. on: Auto Power Off function automatically turns the machine off.

U 3. off: Auto Power Off function does not automatically turn the machine off.

2) Select either "on" or "Off" according to the user preference by pressing [Enter] key.



3. 2. 5 User Mode 4: Cold Sleep Timer Setting Mode

Please Set the Touchscreen - "?"

Do not change this setting.

It is possible to change the timer for the Cold Sleep function on the User Interface (UI).

Reference

1. The purpose of Cold Sleep Mode is to reduce power consumption by shutting off the supply of power to the heater unit. It saves more power than Warm Sleep Mode. The temperature of the heater unit is about 140 degrees Centigrade (284 degrees Fahrenheit) when the KIP 5000 is ready. But if they system is not in use for an extended period, it is best to reduce power consumption by stoping the supply of energy to the heater unit completely.

The Cold Sleep Mode will automatically be cancelled when a print or copy job is sent. However, it takes a few moments for the system to recover from Cold Sleep Mode because it must raise the temperature back up to about 140 degrees Centigrade (284 degrees Fahrenheit) (Print will not begin until the KIP 5000 is ready.)

2. When both the Cold Sleep Function and the Warm Sleep Function are effective, their functions work as follows; (Both timers start simultaneously.) For information on the Warm Sleep Function, refer to page 3-11 to 3-12.

<Example 1>

When the Warm Sleep Timer is set to 15 minutes and the Cold Sleep Timer is set to 30 minutes, the printer will go into warm sleep mode 15 minutes after printing. The printer will go into the Cold Sleep Mode 15 minutes after the printer goes into Warm Sleep Mode.

<Example 2>

When the Warm Sleep Timer is set to 30 minutes and the Cold Sleep Timer is set to 15 minutes, the printer will go into Cold Sleep Mode 15 minutes after printing. In this case, the Warm Sleep Function is ineffective.

3. 2. 6 User Mode 5: Cold Sleep Setting Mode

Please Set the Touchscreen - "?"

Always keep this mode "off". (Do not change this setting.) It is possible to select whether the Cold Sleep function works or not on the User Interface (UI).

Reference)

The purpose of Cold Sleep Mode is to reduce power consumption by shutting off the supply of power to the heater unit. It saves more power than Warm Sleep Mode. The temperature of the heater unit is about 140 degrees Centigrade (284 degrees Fahrenheit) when the KIP 5000 is ready. But if they system is not in use for an extended period, it is best to reduce power consumption by stoping the supply of energy to the heater unit completely.

The Cold Sleep Mode will automatically be cancelled when a print or copy job is sent. However, it takes a few moments for the system to recover from Cold Sleep Mode because it must raise the temperature back up to about 140 degrees Centigrade (284 degrees Fahrenheit) (Print will not begin until the KIP 5000 is ready.)

3. 2. 7 User Mode 6: Warm Sleep Timer Setting Mode

Please Set the Touchscreen - "?"

Do not change this setting.

It is possible to change the timer for the Warm Sleep function on the User Interface (UI).

Reference)

1. The purpose of Warm Sleep Mode is to reduce power consumption by reducing the temperature of heater. The temperature of the heater unit is about 140 degrees Centigrade (284 degrees Fahrenheit) when the KIP 5000 is ready. But if the system is not in use for an extended period, it is advised to reduce power consumption by reducing the temperature of the heater (Temperature is kept at about 120 degrees Centigrade (248 degrees Fahrenheit).

The Warm Sleep Mode will be automatically cancelled when a print or copy job is sent. However, it takes a few moments for the system to recover from the Warm Sleep Mode because it must raise the temperature back up to about 140 degrees Centigrade (284 degrees Fahrenheit) (Print does not start until the KIP 5000 gets ready).

2. When both the Cold Sleep Function and the Warm Sleep Function are effective, their functions work as follows; (Both timers start simultaneously.) For information on the Warm Sleep Function, refer to page 3-11 to 3-12.

<Example 1>

When the Warm Sleep Timer is set to 15 minutes and the Cold Sleep Timer is set to 30 minutes, the printer will go into warm sleep mode 15 minutes after printing. The printer will go into the Cold Sleep Mode 15 minutes after the printer goes into Warm Sleep Mode.

<Example 2>

When the Warm Sleep Timer is set to 30 minutes and the Cold Sleep Timer is set to 15 minutes, the printer will go into Cold Sleep Mode 15 minutes after printing. In this case, the Warm Sleep Function is ineffective.

User Mode 7: Warm Sleep Setting Mode 3. 2. 8

Please Set the Touchscreen - "?"

Keep this mode always "Off". (Do not change this setting.) It is possible to change the timer for the Warm Sleep function on the User Interface (UI).

Reference

The purpose of Warm Sleep Mode is to reduce power consumption by reducing the temperature of heater. The temperature of the heater unit is about 140 degrees Centigrade (284 degrees Fahrenheit) when the KIP 5000 is ready. But if the system is not in use for an extended period, it is advised to reduce power consumption by reducing the temperature of the heater (Temperature is kept at about 120 degrees Centigrade (248 degrees Fahrenheit).

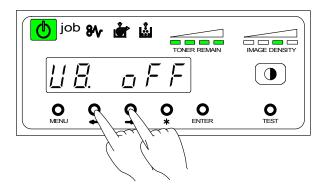
The Warm Sleep Mode will be automatically cancelled when a print or copy job is sent. However, it takes a few moments for the system to recover from the Warm Sleep Mode because it must raise the temperature back up to about 140 degrees Centigrade (284 degrees Fahrenheit) (Print does not start until the KIP 5000 gets ready).

1-51

3. 2. 9 User Mode 8: Short Interval Setting Mode

This mode allows you to set the function "Short Interval".

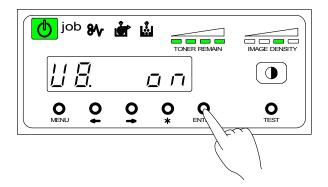
1) Select "U8." by pressing [←] or [→] key.



U 8. on : Short Interval function is on.

U 8. off: Short Interval function is off (Normal operation)

2) Select either "on" or "Off" according to user preference by pressing [Enter] key.



Reference

When User Mode 8 is on, the interval between prints becomes shorter than usual. As the result, the print productivity is increased.

However, if User Mode 0 (Image Area Expanded Mode) is on at the same time, a dirty image may occur.

Even if User Mode 0 (Image Area Expanded Mode) is off, a dirty image might occur due to improper adjustment of trailing edge margin.

3. 2.10 User Mode 9: L / L Environment Setting Mode

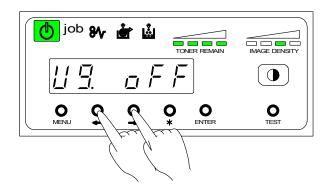
It is possible to select whether or not the L / L Environment Setting Mode is functional.

Reference)

"Creasing of paper" or "Defective fusing" may occur on the prints under the extreme environment of Low Temperature / Low Humidity (called L / L Environment.) You can avoid the above problem if the User Mode 9 is on.

Please note that the interval of prints becomes longer than usual, and print productivity reduces as follows if the User Mode 9 works.

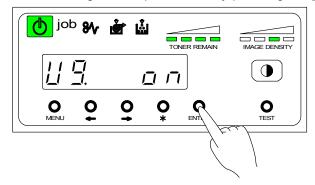
- (A) If continuous printing is done with 30" or wider roll media, the interval between prints becomes 6.5 seconds.
- (B) If continuous printing is done with 22" or wider vellum roll, the interval between prints becomes 20 seconds, 30 minutes after the printer becomes ready.
- 1) Select "U9." by pressing [\leftarrow] or [\rightarrow] key.



U 9. on: Low Temperature / Low Humidity Environment Setting is on.

U 9. off: Low Temperature / Low Humidity Environment Setting is off. (Normal operation)

2) Select either "on" or "off" according to user preference by pressing the [Enter] key.



3. 2.11 User Mode A: H / H Environment Setting Mode

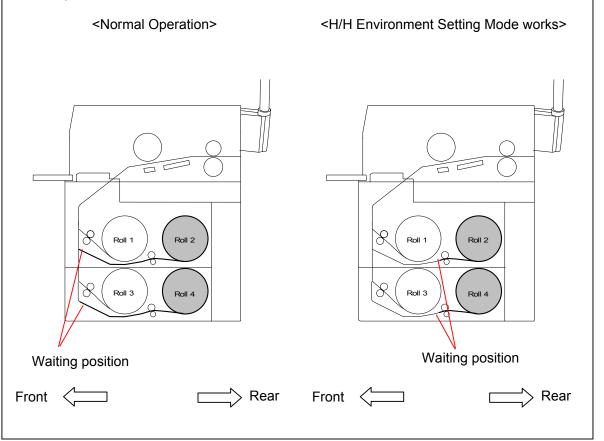
It is possible to select whether or not the H / H Environment Setting Mode is functional.

Reference

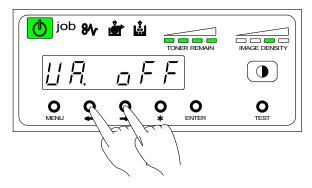
In a high temperature and high humidity environment (called H / H Environment), "creasing of paper" may occur on the prints when using the media on Roll 2 or Roll 4.

The reason for these problems is that the leading part of paper gets humidified as a long section of the media exposed to the humid air in its waiting position. If User Mode A is on, the leading edge is held closer to the roll so that less media gets humidified. This prevents some of the above problems.

Please note that it takes a little more time than usual for the printer to completes the first sheet of prints.



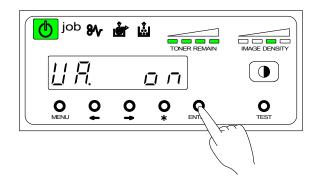
1) Select "UA." by pressing [\longleftarrow] or [\longrightarrow] key.



U A. on: H / H Environment Setting is on.

U A. off: H / H Environment Setting is off. (Normal operation)

2) Select either "on" or "off" according to user preference by pressing [Enter] key.

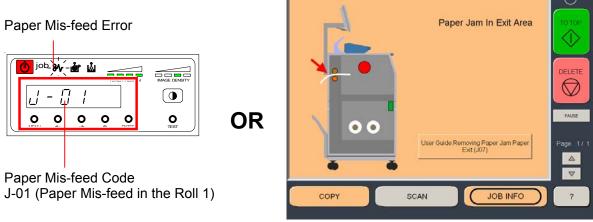


4. 0 Error Correction

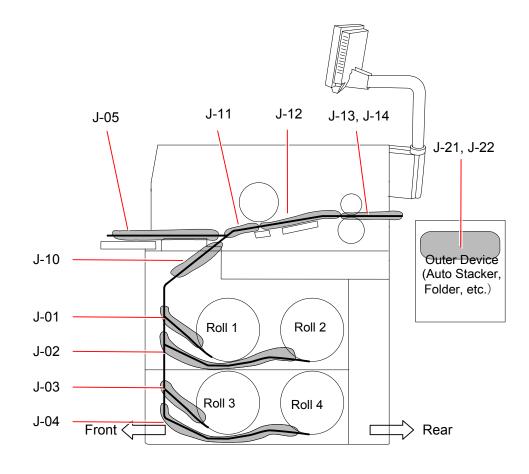
4. 1 Paper Mis-feed Errors



If a paper mis-feed occurs, the Paper Mis-feed Indicator on the Sub Display and a screen on the Touchscreen inform you of the error and the location. The Sub Display indicates a mis-feed code (J-XX) to let you know where the paper is mis-fed. The Touchscreen will describe the location and supply a guide on the screen.



Refer to the following diagram for the location of the paper mis-feed indicated by the code on the Sub Display (Greater details on each code are on the following pages.)



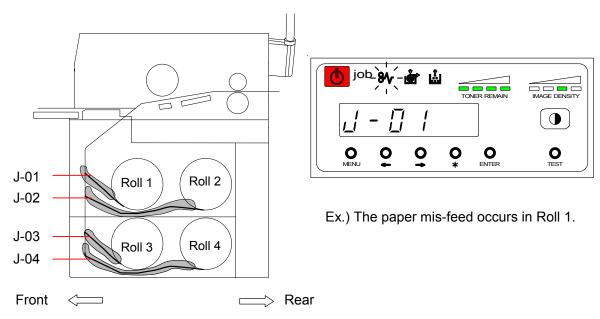
▲ NOTE

- (1) Remove the mis-fed paper being careful not to cut your hand on the paper edge.
- (2) Take off necklaces, bracelets, rings and wrist watch before removing the mis-fed paper. Failure to do so may result in burns or electrical shock if the metal accessories touch the interior of the printer.
- (3) The toner image is not adhered correctly if the paper did not reach the Fuser Section. Take care to ensure the toner does not rub onto your clothing when you remove the misfeed. If toner gets onto your clothing gently dust it off. If it does not dust off, was the article in cold water. (Do not use hot water as it causes the fiber to absorb the toner.)
- (4) The toner image is not adhered correctly if the paper did not reach the Fuser Section. Take care to ensure that toner does not get into your eye, and take care not to inhale the toner. (Please flush the contaminated area with water if toner gets into your eye or mouth.)

4. 1. 1 Paper Mis-feed in Roll Deck Section (J-01, J-02, J-03, J-04)

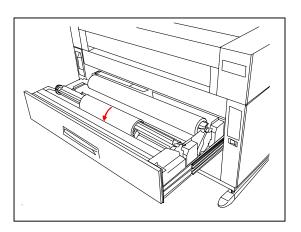
When the Paper Mis-feed occurs in the Roll Deck, the Operation Panel indicates a "J-01", "J-02", "J-03" or "J-04".

J-01: Mis-feed in Roll 1 J-02: Mis-feed in Roll 2 J-03: Mis-feed in Roll 3 J-04: Mis-feed in Roll 4



Clear the Paper Mis-feed using the following procedure:

1) Open the Roll Deck, and then rewind the roll onto the media core.

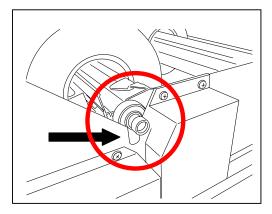


- 2) If the leading edge of the media is torn or folded, cut the leading edge of the media.
- 3) Set the roll media correctly.

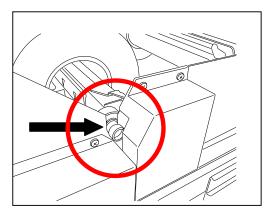


▲ NOTE

When you return the Roll Spool to Roll Deck, make sure to fit the collar on right side of the Roll Spool into proper position as indicated in the following figures.

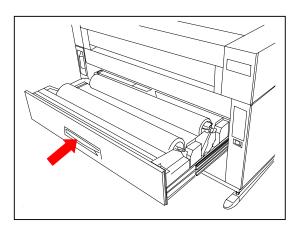


No Good (The collar of the Roll Spool is out of the proper position.)



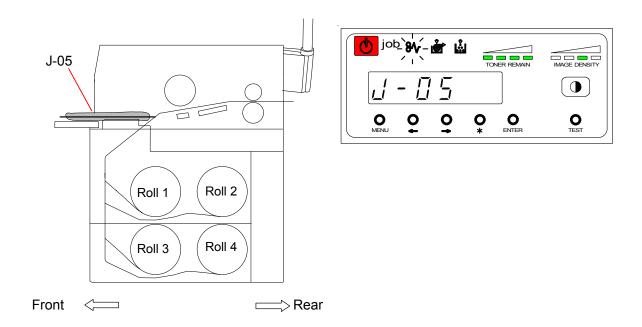
Good (The collar is set in the proper position.)

4) Close the Roll Deck.



4. 1. 2 Paper Mis-feed in Manual Feeder Section (J-05)

When the Paper Mis-feed occurs in a Manual Feeder, the Operation Panel indicates a "J-05".

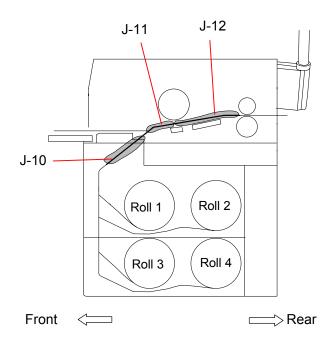


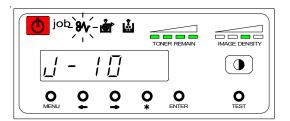
Clear the Paper Mis-feed by gently pulling out the mis-feed paper. If the leading edge of the paper is torn or folded, replace it with a new sheet.

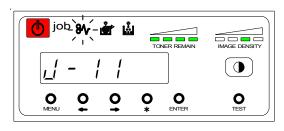
4. 1. 3 Paper Mis-feed in Paper Feed Section (J-10, J-11, J-12)

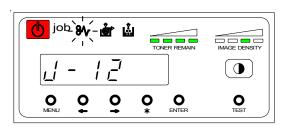
When the Paper Mis-feed occurs in the Paper Feed Section, Operation Panel indicates "J-10", "J-11" or "J-12".

J-10 : Mis-feed in the Front Area J-11 : Mis-feed in the Middle Area J-12 : Mis-feed in the Rear Area



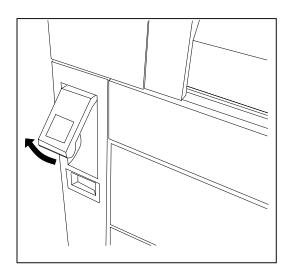




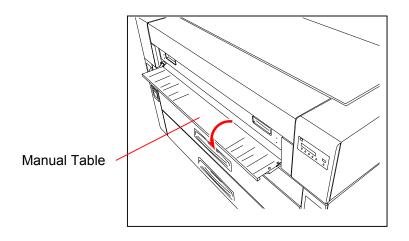


Clear the Paper Mis-feed using the following procedure:

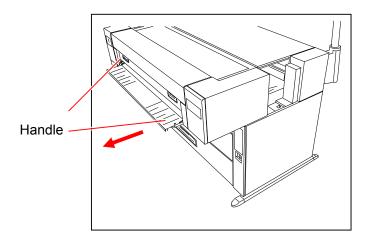
1) Lift up the Lever of the Internal Feeder Unit.



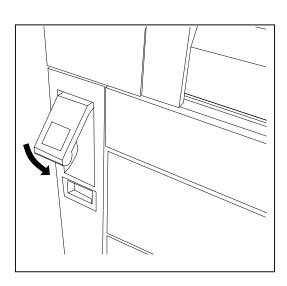
2) Open the Manual Table.



3) Holding both Handles, and then pull out the Upper Frame Unit to your side. You can see the inside of printer.



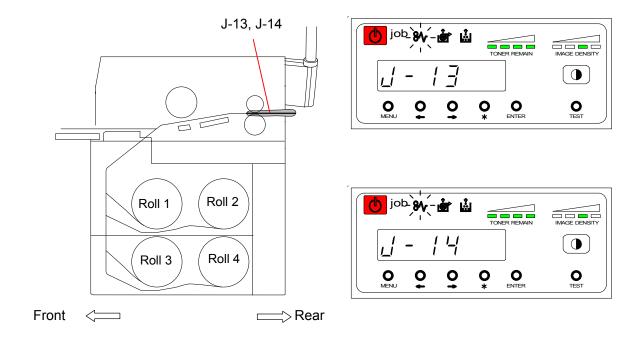
- 4) Remove the mis-fed paper from the at the side of printer.
- 5) Push the Upper Frame Unit back into place.
- 6) Close the Manual Table.
- 7) Push down the Lever of the Internal Feeder Unit.



8) Rewind the mis-fed Roll manually.

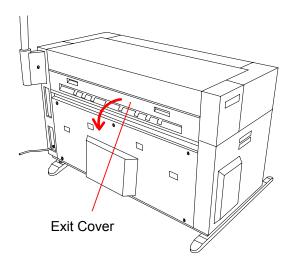
Paper Mis-feed in Fuser Section (J-13, J-14) 4. 1. 4

When the Paper Mis-feed occurs in the Fuser Section, the Operation Panel indicates "J-13" or "J-14".



Clear the Paper Mis-feed using the following procedure:

1) Open the Exit Cover.

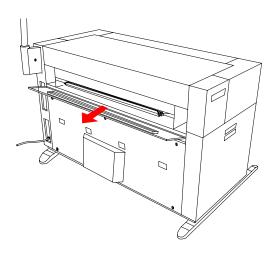




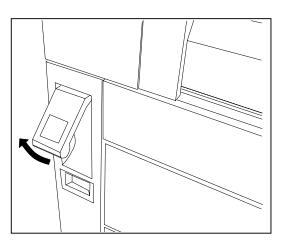
⚠ WARNING

There are extremely hot parts inside the Heater Unit. Do not touch any parts in the Heater Unit, or you may be burnt. The mis-feed media can be very hot. Take care not to get burnt, while you remove it.

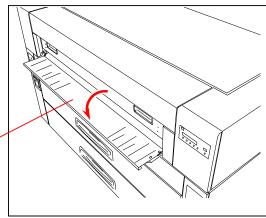
 If it is possible to access the mis-fed paper, gently remove it. Be careful not to tear the misfed paper.



3) If it is not possible to access the mis-fed paper from the rear side, lift up the Lever of the Internal Feeder Unit.



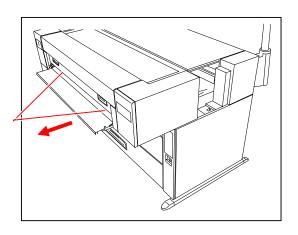
4) Open the Manual Table.



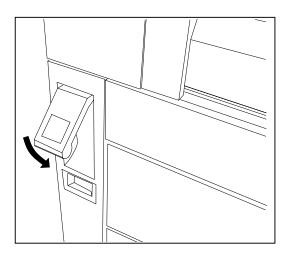
Manual Table

5) Holding both Handles, and then pull out the Upper Frame Unit to your side.





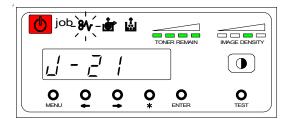
- 6) Remove the mis-fed paper from the at the side of printer.
- 7) Push the Upper Frame Unit back into place.
- 8) Close the Manual Table.
- 9) Push down the Lever of the Internal Feeder Unit.

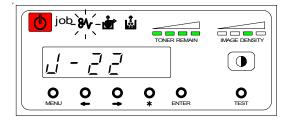


10) Rewind the mis-fed Roll manually.

4. 1. 5 Paper Mis-feed in Stacker (J-21, J-22)

When a paper mis-feed occurs in the Auto Stacker, the Operation Panel indicates either a "J-21" or a "J-22".





Refer to the User's Manual for the stacker to clear the mis-feed.

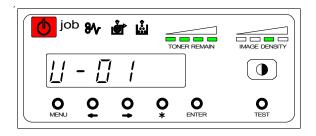
4. 2 Open Cover Errors

The Sub Display and Touchscreen will indicate an error code if there are any open decks or open covers. Close each deck (or cover) as it is not possible to print, if any are open.

4. 2. 1 Roll Deck Open (U-01, U-02)

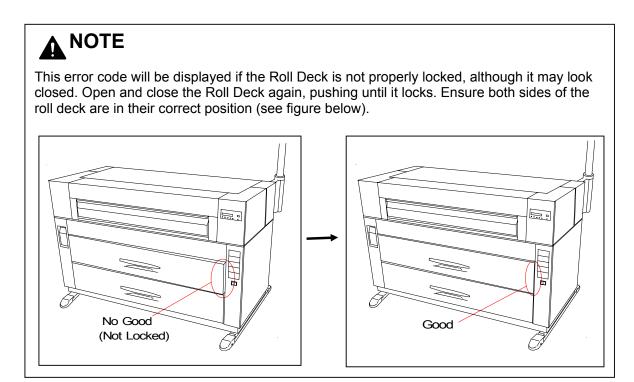
The corresponding Roll Deck is opened when the Sub Display indicates "U-01" or "U-02".

U-01: The Upper Roll Deck is opened. U-02: The Lower Roll Deck is opened.



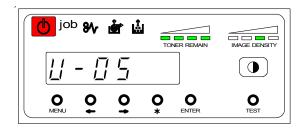
(Example: Upper Roll Deck is opened.)

Firmly push the Roll Deck close.

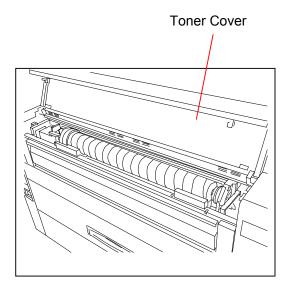


4. 2. 2 Lever / Toner Cover Open (U-05)

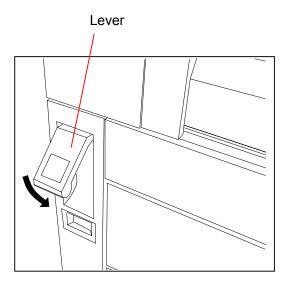
When either the Lever or the Toner Cover is open the Sub Display indicates a "U-05".



Close Toner Cover if it is opened.

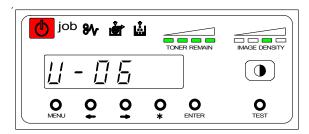


Ensure Lever is securely in place

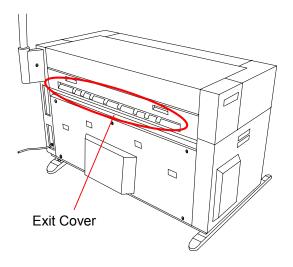


4. 2. 3 Exit Cover Open (U-06)

When the Exit Cover is opened, the Sub Display indicates "U-06".



Close the Exit Cover.

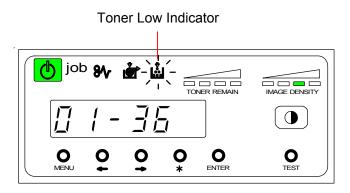


4. 3 Other Errors

4. 3. 1 Toner Low Flashing

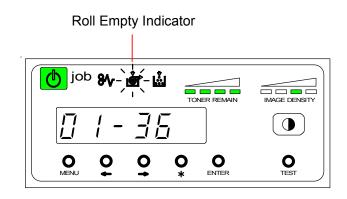
The machine indicates "Toner Low" by lighting the Toner Low Indicator on the Sub Display. Toner Cartridge replacement is required.

However, if this **indicator flashes**, it means that this machine is unbalanced. It is not necessary to replace the Toner Cartridge.



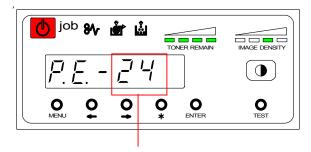
4. 3. 2 Roll Empty 🗳

The machine indicates "Roll Empty" by lighting the Roll Empty Indicator on the Sub Display if the roll media currently in use is completely consumed during printing. Installation of a new roll is required.



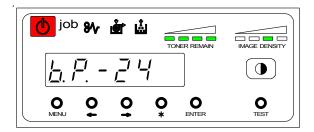
4. 3. 3 No Manual Paper (P.E.)

The machine indicates "P.E." (Paper Empty) on the Sub Display. Insertion of indicated paper size is required.



Required Paper Size

When the Manual Paper is inserted, indication is changed from [P.E.] to [b.p.].



4. 4 Call Service Errors

The following error codes will be displayed on the Sub Display if the machine has a fatal error. It is impossible for the user to resolve these issues.

PLEASE CALL YOUR CERTIFIED SERVICE TECHNICIAN TO RESOLVE THESE ERRORS.

Error Code	Name of the error	
E - 01	Fuser Temperature Rising Error	
E - 02	Fuser Over Temperature Error	
E - 04	Developer Error	
E - 06	Counter Error	
E - 07	Cutter Error	
E - 14	Fuser Motor Error	
E - 16	Wire Cleaning Error	
E - 21	Fuser Thermostat Error	
E - 40	Outer Device Error	
E - 41	E - 41 Key Card Error	
E - 51	High Voltage Power Error	

If one of the above errors is displayed:

- 1) Turn off the printer, wait approximately 30 seconds, and then turn the printer on again.
- 2) If the same error code is displayed, turn off the printer, and unplug the printer from the wall. Call your certified service technician.

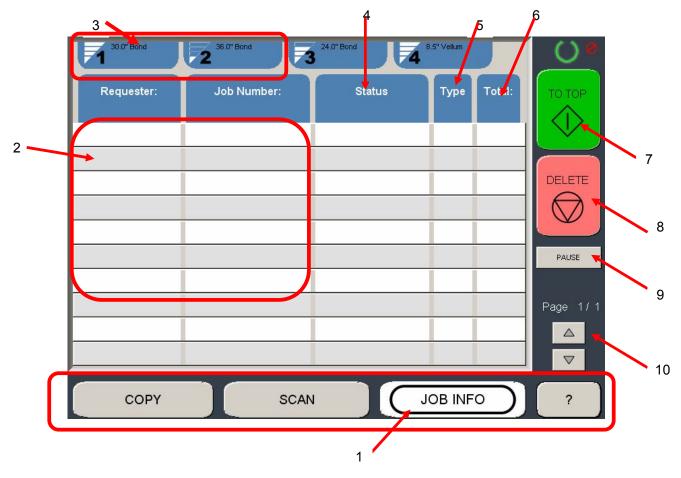
Section 2

Job Info Screen

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1. 0 Job Info Screen

1.1 Main Screen



No.	Name	Function
1	Mode	Selects the "Mode" of the system. (Job Mode for this
		screen shown)
2	User Name – Job #	Display the User and any user info for the job ID. A job can be selected for other functions noted below.
3	Media Information	Displays and allows change of the Width and Type.
		Shows the amount remaining per roll deck. (two or four
		rolls depended on system)
4	Status	Shows the current status of a job and media selection.
5	Type	Displays a copy or network print job
6	Total	Displays the total number of prints and current number printed.
7	То Тор	After a job is selected (see #2) the position in the queue can be changed to the next job printed.
8	Pause	Pauses printer to allow media change, etc
9	Delete	After a job is selected (see #2) it can be removed from printing.
10	Up/Down	Scrolls through pages in the queue if so available.

2. 0 Operation Details

The Job Info screen is used to view or manage the current copy or prints jobs on the KIP 5000.

2.1 Job List - Main Screen

All jobs that are currently printing or are waiting to print are displayed in this area.



You may view a jobs details, (or for other functions described further in this manual) by selecting the job from the list



2.2 User Name

Displays the "Name" or the "owner" of the job

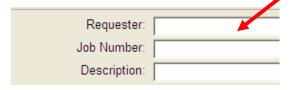
This information is obtained from fields within:

- a) KIP Request
- b) KIP Windows Driver
- c) KIP AutoCAD Driver
- d) Or from the Accounting Fields on the copier when accounting is enabled



Please see respective User Guides for detailed information

An example screen from Request:



2.3 Job Number

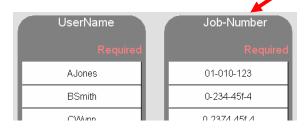
Displays the "Job Number" or details regarding the job

This information is obtained from fields within:

- e) KIP Request
- f) KIP Windows Driver
- g) KIP AutoCAD Driver
- h) Or from the Accounting Fields on the copier / scanner when accounting is enabled



An example from Copy / Scan Accounting:

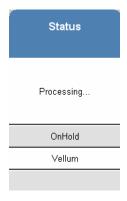


2.4 Status

Displays the current "Status" of a job.

Displays one of the following:

- a) Processing job is currently printing
- b) On Hold puts the job in the queue but will not print until a valid media type is applied
- c) Vellum Media required Vellum
- d) Film Media required Film
- e) Bond Media required bond



2.5 Type

Displays the source of the job, jobs can be sent from the network or come from the copier functions.

For network jobs, the following symbol is displayed:



For copy job the following symbol is displayed:



2.6 Total

Displays the number of prints, this includes:

- a) the quantity in each job
- b) the amount remaining, when a job is printing.



2.7 Delete

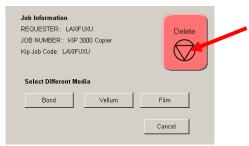
To remove a job from the Job list:

a) Select the job to remove



Another Screen will appear.

- b) Press the Delete button
- c) The job will be removed from the list.



2.8 Change Media Type in Print Job To change the media type in a job that may be in the job list:

a) Select the job



- b) Job Information screen will appear.
- c) Press the Bond, Vellum or Film button to set the new media type for this job.



2.9 To Top

If a job in the list is required urgently and there are other jobs in the list prior to it, the job can be moved to the top of the queue.

a) Select the job from the list



b) Press the "To Top" button



c) The list will be updated with urgent job to be printed next.

2.10 Pause

To pause all print jobs (to replace paper or perform another task that may require the printer to pause) press the pause button.



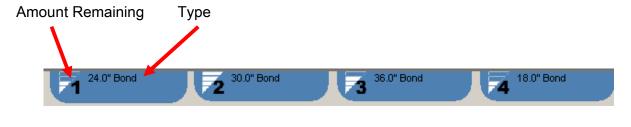
2.11 Page Scroll

Arrows may appear in the lower right corner of the screen to scroll through the pages of jobs. Please note that the total number of pages will be displayed as well as the current page.



2.12 Media Information

At the top of the Job List Screen is the region that displays the current media loaded in KIP 5000. Please note that only rolls the printer has will be displayed.





a) Roll Deck Number

b) **Amount Remaining**: shows the quantity of media in ¼ steps.

Example: Roll 1 is full

Roll 2 is ¼ full Roll 3 is ¾ full Roll 4 is also full

If no media installed then all bars would be empty

c) **Type**: Shows the media type (set by User)

Example: Roll 1 is Bond

Roll 4 is Vellum

d) Width: Shows the set width (set by User)

Example: Roll 1 is 30"

Roll 2 is 36" Roll 3 is 24" Roll 4 is 11"

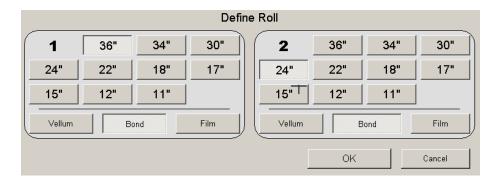
2.13 Change Media Information

At the top of the Job List Screen is the region that displays the current media loaded in KIP 5000. Please note that only rolls the printer has will be displayed.

a) Touch any area of this region to the set media type and width in all roll decks



b) Select the correct media width and type for each deck as required (two roll model screen shown below)

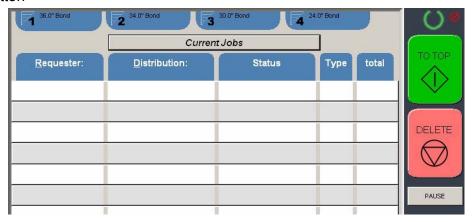


- c) Select OK to set
- d) The new settings will be noted on the top of the Job Info Screen

2.14 Job History

KIP Job History can be used to call up and print jobs that were previously printed. By selecting a job from the Job History list, the job can be changed and resubmitted for printing.

1. To use the KIP Job History select the Job Info Button and click on the Current Job button



2. The Job History Information will now be displayed on the screen and select the job to be edited.



3. Select the Edit Button to access the available options for the current selected job.



4. Users have the option to change Accounting information, Media type, Number of Originals and number of sets. Or to delete the job from History.



5. When all changes (if any) are complete select the Submit button to send the job to the printer.

SUBMIT

Section 3

<u>"?" Screen</u>

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1.0 Help – Configuration Screen

1.1 Overview

The KIP 5000 has the ability to display information about the system and allow detailed configuration or setting of the KIP 5000 for Copy and Scan modes.

It also has visual user guides which can assist the user in perform the functions of the KIP 5000.

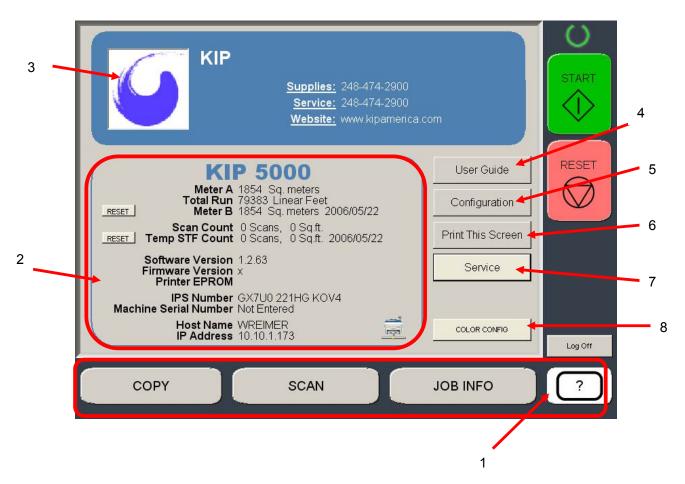
To Enter the "Help – Configuration" screen press on the "?" on the bottom right of the KIP 5000 user interface.

Some of the configurable settings include:

- a) Language
- b) Sleep Timers
- c) Energy Star Mode
- d) Reset Timer for Memory and Default Settings
- e) Printer Density
- f) Master Lead / Trail Edge
- g) Default Mode
- h) Units (Metric or Inch)
- i) Default Original Size Mode
- j) Quality / Scan Speed
- k) Number of Rolls
- I) Shading
- m) Test patterns
- n) Enable Options
- o) Network IP settings

Some of the above settings will require access by the system administrator, key operator or a certified service technician.

1.2 "?" Screen - General



		I =
No.	Name	Function
1	Mode	Selects the "Mode" of the system. (Help Mode
		shown)
2	Information Region	Displays meter counts and version number of
		the system.
3	Support / Supplies	Displays the contact information for technical
		support and printer supplies.
4	User Guide	Enters the Graphical Users Guides.
5	Configuration	Enters the settings and configurations modes.
6	Print This Screen	Prints the main "?" screen on the KIP 5000
7	Service	Password protected area for KIP authorized
		technician use.
8	Color Config	Configures the optional color scan and color
		copy features.

2.0 Main Screen - Details

2.1 Information Region

This area of the Screen includes meter counts and software versions

Meter A 13879 Sq. feet Total Run 5285 Linear Feet Meter B 240 Sq. feet 8/9/2006 RESET Scan Count 47 Scans, 342.95 Sq.ft. Temp STF Count 10 Scans, 35.3 Sq.ft. 8/9/2006 Software Version 1.2.114 Firmware Version 1.31 Printer EPROM R109X001 IPS Number 7UG6L HXWKV 6ILR Machine Serial Number Not Entered Host Name KIP5000TC IP Address 10.10.1.43

2.1.1 Meter A

Displays the total number of units run on the printer. This counter should match the hard counter on the right mid- front section on the printer. This unit is in square feet in North America and in Square Meters in all other countries (when printer set to metric mode).

English mode: 1 count = one square foot Metric Mode: 1 count = one square meter



A NOTE

If this counter differs from the hard counter on the printer contact your local service company!

The units of this counter are taken from the internal processor of the printer and can be "reset" if care is not taken upon replacement of the DC Controller. Please see KIP 5000 Service Manual for details on the setting procedures.

In case of discrepancies: The hard counter shall be taken as the correct value!

2.1.2 Total Run

This meter counts the total number of linear meters run on the printer in all countries. One count = one linear meter



A NOTE

The units of this counter are taken from the internal processor of the printer and can be "reset" if care is not taken upon replacement of the DC Controller. Please see KIP 5000 Service Manual for details on the setting procedures.

In case of discrepancies: The hard counter shall be taken as the correct value!

2.1.3 Meter B

This counter can be reset at any time to count the units in a particular job. The date of last "reset" is also displayed. This counter's units are the same as Meter A. Press the reset button to start at "0"

2.1.4 Scan Count

The Scan Count displays the total count of the "imaged" area. If the original was larger than the saved imaged area only the saved imaged area is recorded. If the incorrect original size was selected the selected size will be recorded.

Example:

With a 24x36 original

- 1) If the original was feed 36" wide with a 36" wide setting on the User Interface then 6 sq ft recorded.
- 2) If the 36" wide original was scanned in at a 24" wide manual setting, the size will be recorded as 24x24 or 2 square feet.

2.1.5 Scan Count- Temp

This counter can be reset at any time to count the units in a particular job if so required. The date of last "reset" is also displayed. This counter's units are the same as in Scan Count. Press the reset button to start at "0"

2.1.6 Software version

Displays the software IPS version for technical support

2.1.7 Firmware Version

Displays the printer firmware version for technical support

2.1.8 IPS Number

Displays the current IPS number, this is required for any optional upgrades to the KIP 5000.

2.1.9 Machine Serial Number

Displays the KIP 5000 hardware serial number, this is also located on the lower rear of the printer.



M NOTE

If this serial number differs from the "hard coded" number on the lower rear of the printer contact your local service company! The hard code serial will be taken as correct in the case of any discrepancies.

2.2 Supplier / Technical Support

This region displays the contact information for KIP 5000 supplies and service. This region should display your local Authorized KIP dealers' information. If this information is incorrect, please contact your KIP dealer.



3.0 User Guides

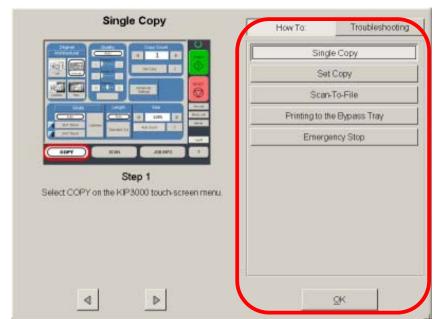
Press the User Guides button to gain access to the KIP 5000 User Guides on the KIP 5000.

The User guides cover the most basic functions of the system operations including media / toner replacement on the KIP 5000. For comprehensive details please consult this User

Manual.



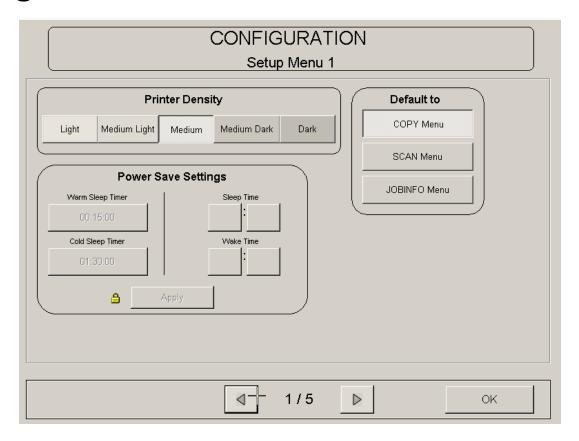
- Select this function when assistance is required
- b) Use the arrow buttons to move through the guide
- c) Press OK at any time to exit the guides



4.0 Configuration

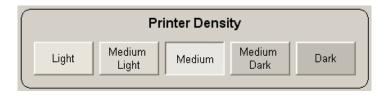
There are five pages in the Configuration.

Page 1 of 5



4.1 Printer Density

Sets the printer density for all images, including copy and print jobs



4.2 Power Save Settings

The KIP 5000 incorporates timers to save power and place the printer in "cold sleep mode" to suit individual company production requirements. These timers can be used to automatically turn off the printer when the "office is closed", for example overnight.

Energy Star Settings – Energy Star compliant settings require that the printer goes to Warm Sleep after 15 minutes and into Cold Sleep after 90 minutes of inactivity. These are the factory setting and can be achieved by selecting "Reset".

There are two sleep mode settings to choose from, only one can be active at a time and these are locked by default in the Services settings.

- 1. Warm/Cold Sleep Timers This timer can be set to put the printer into a warm/cold sleep mode after a predetermined period of inactivity.
- 2. Sleep Time This time is used in conjunction with the computers clock and is used to put the Printer to sleep at a pre-set time and wake the printer back up at a pre-set time.



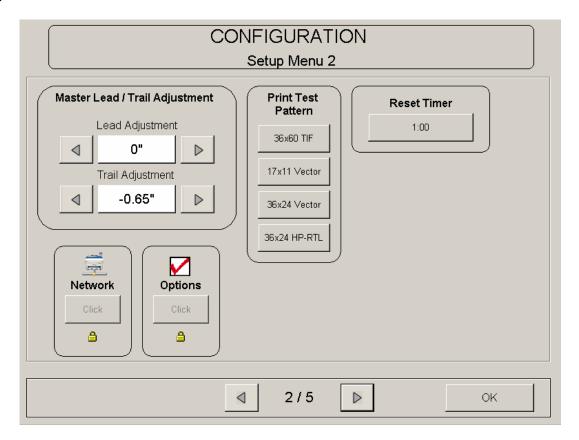
- a) If the Timers are Locked they must first be unlocked in Service Menu (by a Certified Service Technician)
- b) Set the timers by pressing on the hour, minutes and AM/PM as needed.
- c) If the printer is required during the "sleep" period, it will "awake", produce the prints and then "fall asleep" again, 15 minutes later.

4.3 Default Mode

Sets which screen will be the default, Scan, Copy or Job Info Mode dependent of the installation environment requirement.



Page 2 of 5



4.4 Master Lead / Trail Adjustment

The leading and trailing edges on scans and copies can be adjust best suit user requirements. This adjustment adds or removes in media from all scans and copies and should be considered a def setting of such.



4.5 Test pattern

A variety of test patterns may be printed from the KIP 5000 operator panel on an on-demand basis. The following four predefined test patterns are available to assist in pen table selection and overall quality verification.

36" x 60" tif – Used to test long printing and calibrate scan/copy operations

17" x 11" plt – Used to calibrate lead/trail edge settings

36" x 24" plt – Used to calibrate lead/trail edge settings

36" x 24" hprtl - Used to test output of mixed raster and vector data



4.6 Options

Enables options on the KIP 5000, contact your local dealer for more details and for the KeyCode for your system.



A NOTE

Incorrect codes will prevent your system from functioning. Please do not enter or modify the current code without permission. The codes may be locked and access may only be granted by a certified service technician.

4.7 Network

Please see - Connectivity



A NOTE

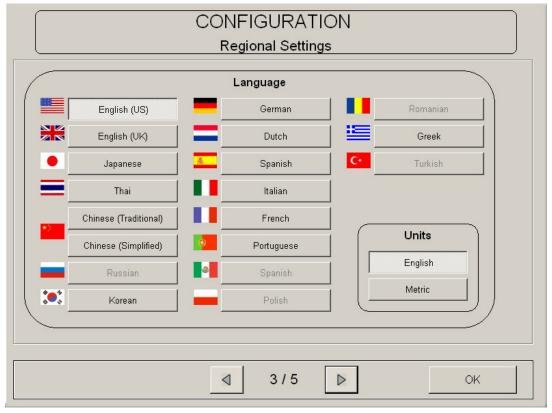
Incorrect settings will prevent your system from functioning. Do not enter or modify without your Network Administrators permission. Access to modify may be locked and may only be granted by a certified service technician.

4.8 Reset Timer

KIP 5000 systems can be configured to revert to the Log-In screen after a predetermined period of inactivity. From this screen, users must enter a username and password before use (if required by system administrator).



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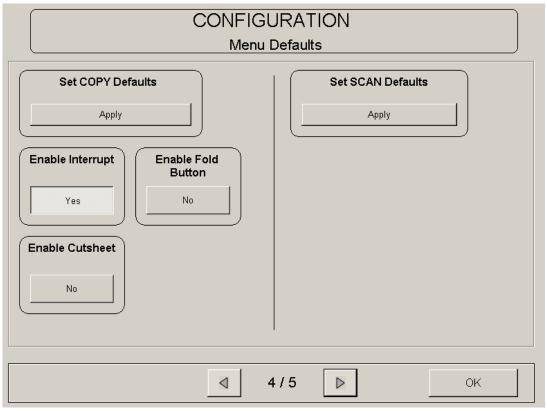
4.9 Language

Set the KIP 5000 Operator Panel into a desired language.

4.10 English or Metric Units

Set the system from "English Mode" to "Metric Mode" by pressing the English or Metric button. This will effect the entire KIP 5000 System, including Scan, Print and Copy. Please note that the printer must be set to the correct size mode for proper print function.

Page 4 of 5

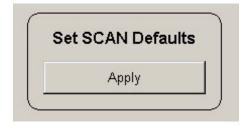


4.11 Copy and Scan Menu Defaults

Each KIP 5000 system provides powerful options regarding the preferred condition of the system upon start up. KIP 5000 system operators may designate features to be active when the system is powered on to ensure efficient use.

- 1) Set up Copy or Scan Modes in their main menu to the desired features
- 2) Access the configurations menu by depressing (?)
- 3) Select the "Configuration" button
- 4) Press the "Set Copy Defaults" or "Set Scan Defaults" button





5) Presets for either the Copy or Scan screens have now been designated.

4.12 Fold

Sets the system to accept fold parameter loaded by KIP Request and enables the pull downs on the screens. Please contact your local certified service technician for configuration of this feature.

4.13 Cut Sheet

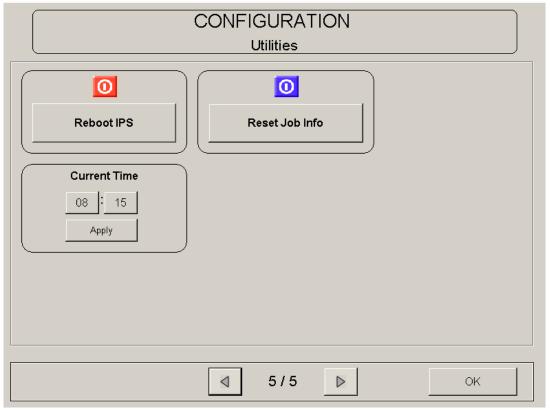
Enables / Disables the cut sheet function, which may not be required in certain installation.

4.14 Interrupt

Allows the Interrupt button to function in Copy Mode

- a) Enabled = allows the user to pause all network print jobs to allow copies to be printed first
- b) Disabled = all copy jobs will be placed in the queue as the order they are received within any network print jobs.

Page 5 of 5



4.15 Reset Job Info

If the current job in the Job Info queue is printing unsuccessfully, the user can manually cancel the file within that job. This is done by going into the "Help/Info" screen and then to "Configuration". Select the "Reset Job Info" button. An identification sheet will print out and the print queue can now continue printing.



4.16 Reboot IPS

This button will restart the IPS, when the system is not responding / printing correctly.

4.17 Current Time

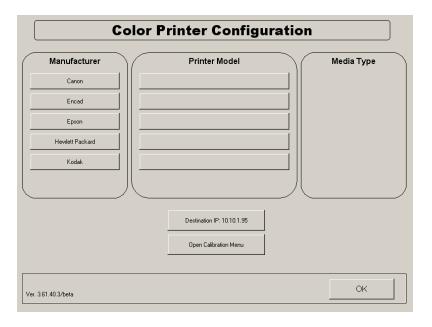
Set the current time using the arrow buttons. Please note that the Time Zone may need to be set. Please contact your Local KIP Dealer to set the correct Time Zone.

5.0 Color Configuration

Color function is an option with the KIP system. Please contact your local dealer to acquire these functions if not already enabled.

This menu will allow

- a) A third party printer to be connected to the KIP IPS.
- b) The KIP scanner to be calibrated to the third party printer and media type. This is a simple closed loop calibration.



5.1 Manufacturer

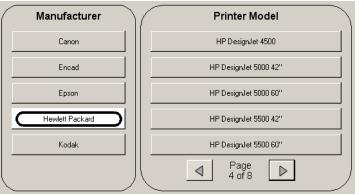
For color copy function, select from the list a third party colour printer manufacture. If the manufacture is not listed, it is not supported by the KIP system.

5.2 Printer Model

- After the manufacture is selected, the model of printer must be chosen.
- b) Please scroll through the list using the arrow buttons until your third party model is displayed.
- c) Select the model.

5.3 Media Type

Only some models of some manufactures will require the media to be set (often only Canon devices). If displayed, select the media type that is loaded and will be copied onto.





5.4 Destination IP

The third party printer will have an IP address assigned to spool data to it. Please enter the IP address here. Please contact your local IT administrator for this information.

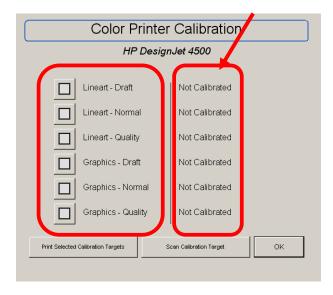


5.5 Open Calibration Menu

The six modes displayed in this screen reference the six modes in the "Copy" and "Scan" screens of the KIP User interface.

- a) On the right side of this screen shows if the mode has been calibrated.
- b) To calibrate a copy / scan mode select it.
- c) An "x" will appear beside the mode to be calibrated.





d) Select "Print Calibration Target" button and an arrow with multicolored blocks will start to print from the device.



- e) After the target is printed and has time to dry completely, (from inkjet or bubble jet process) trim the target with scissors to 8.5 x 11 size (remove any excess media) and then press the Scan Calibration Target button
- f) Insert the target face up in the center of the KIP scanner noting the arrow's direction.
- g) After the scan is completed, the IPS will automatically calibrate the scanner media mode. It will place a "check" beside the calibrated mode, set the date it was calibrated and allow function of this mode in color Copy and Scan Modes of the KIP 5000.



6.0 Other Buttons

6.1 Service

This button is used by a certified service technician to access the service functions of the IPS. It is password protected to prevent unwanted changes to the KIP 5000.

6.2 Print This Screen

This button will print the main "?" screen. This include the meter counts, versions, etc. This can be useful for troubleshooting or for record keeping.

Section 4

Windows Driver

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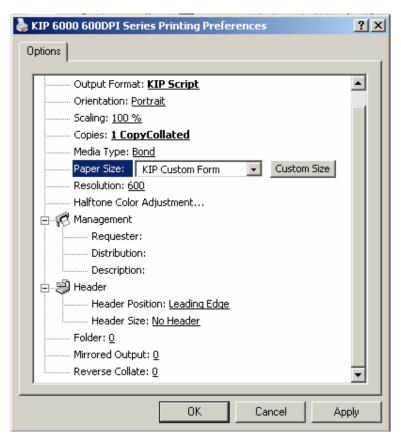
1. 0 Introduction

1.1 Introduction

The **K**IP **U**nified **W**indows **P**rinter **D**river (KUWPD) allows windows printing from Microsoft Windows NT4 / 2000 / XP / x64 Operating systems, as well as 2003 Server based applications.

The KIP Unified Windows Printer Driver is available for download from your local KIP website and is also supplied with your KIP 5000 Printer on the software CD.

1.2 Option Screen - Overview



Beginning at the top of the layout above, these are the main features on the KUWPD

	E
Name	Feature / Function
Output Format	Selects the type of "language" for driver output
Orientation	Rotation of the page
Scaling	Allows scaling of an image to the page size if not
	supported in the application.
Copies	Selects the total number of prints
Media Type	Selects the output media type
Paper Size	Selects the page size from standard sizes or
	create a custom page size.
Resolution	Select the resolution to match the printer DPI
Halftone Color Adjustment	Allows dither pattern change from various colors
	from the within an application to the printed
	document.
Management	Allows accounting to be used from windows
	applications.
Header	Places a text header on the print for quick
	document identification
Folder	Allows the document to be folded (with optional
	folder)
Mirrored Output	Mirrors the image on the print
Reverse Collate	In a multi page document, reverse the print order

Function Details 2. 0

2.1 Output Format

The KUWPD improves support for many Windows applications by providing dual output printer language capabilities. Selecting the Output Format in "Printing Preferences" or "Document Defaults" (NT4), before entering an application will select the proper output method.

KIP GL Output Format

The first output format the KUWPD is capable of is KIP GL (HPGL2/HP-RTL). CAD applications that may not have a compatible driver available can utilize KIP GL and achieve improved quality. The KIP GL output can be further enhanced by making changes to the Pen Table on the KIP Controller. Features already in the Default Pen Table on the KIP Controller such as Line Width Compensation and RTL Dither allow users to achieve improved quality when using the KIP GL output format.

KIP Script Output Format

The user can choose KIP Script (Postscript output) when printing from applications that function best when outputting Postscript data. For example; Adobe Acrobat functions best when using Postscript output, especially on images larger than E-size (Acrobat 6). Other graphics applications including MS-Word, Powerpoint, and Excel also work very well with KIP Script output. The KIP Script data can be smaller in file size and transmits quickly over networks.



NOTE

The KIP PDF Powerscript³ option is required for printing KIP Script data. Please contact your local KIP dealer for details.



A NOTE

When using the KIP GL output format, the Default.PEN - Pen Table at the KIP Controller will also control some of the printing features. Features such as Vector Line Dither Pattern, RTL Raster Dither, RTL Density, and Line Width Compensation are used during conversion for printing. These settings must be configured PRIOR to opening the KIP Unattend print queue.



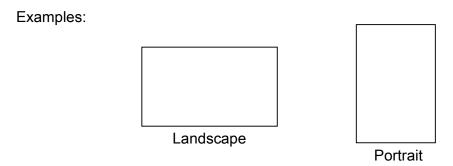
A NOTE

Certain applications work better depending on the Output Format.

- Applications using heavy raster or photographic data work best with KIP Script type output. Examples: Adobe Acrobat products, Adobe Illustrator Products, Adobe Photoshop Products and Corel Draw based products.
- Microsoft applications generally work well with either output format. Examples: Microsoft Word, Excel, Project.

2.2 Orientation

There are two types or Orientation in the KIP driver: Landscape and Portrait.

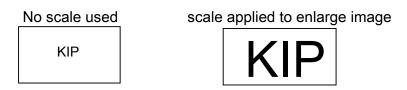


Selection of the orientation should take into account the design or layout from within the application. If an incorrect orientation is selected the page size can be "rotated" incorrectly and image may be lost in the final printed output.

2.3 Scaling

Many Windows applications have their own scaling capabilities built into the "print menu". For example: Spicer and MS PowerPoint allow for some form of "Scale to Page" type feature. Some Windows applications such as MS Word and MS Excel do not allow for scaling to engineering and architectural wide format paper sizes. The "Scaling" feature in KUWPD allows the user to set a percentage to enlarge the document to fit the paper size desired when scaling is not included in the application.

Example:



2.4 Copies

Select the total number of copies you wish to print. The range is from 1 to 999.

2.5 Media Type

The KIP printer may have more than one media type installed. These types may include bond, vellum and film. This feature allows printing onto a media type of your choice of an installed kind.

2.6 Paper Size

Select the output page size. Please note that the KIP printer may have a roll installed that may be larger than the selection.

This feature is very important in wide format printing from CAD applications and MS Excel. This is a feature that is required in CAD applications where the image size may vary from one image to the next such as: 36" x 60" for the first document then 24" x 80" for the next. The Custom Size feature allows the users much simpler access for several capabilities:

- 1. Choose any paper size "on-the-fly" without adding new paper sizes to the operating system (Printers and Faxes→Server Properties→Forms).
- 2. Choose different and non-standard paper sizes for each and every document.
- 3. Choose very long paper sizes.
- 4. It is not necessary to exactly match the document length to the output length; the users can intentionally choose a longer length for the media size. For example, if the image is meant to fit on 36" wide media, but the user isn't sure about the length of the media required, the user can set a very long length (up to 200 feet) and the "white" space (extra paper) at the end of the document will automatically be removed. This prevents any waste of media without an image (KIP GL)

2.7 Resolution

Output resolution is automatically determined when installing the Windows driver.



The KIP 5000 is a 600 x 600 DPI device.

2.8 Halftone Color Adjustment

The KIP driver can be adjusted to allow colors from within your application to have different variance of shading. This provides the ability to increase or decrease the level of overall contrast of the grey tones on final output. Adjust the level as required to satisfy your final product requirements.

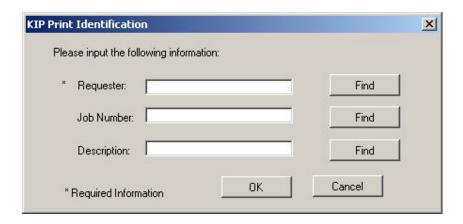
2.9 Management

The KIP 5000 has the ability to account for each print produced. This allows for job/department costing. Three fields exist in the driver to allow the user to include this information.

These fields are:

- a) Requester
- b) Job Number
- c) Description

Unified Accounting – The Windows Driver points to a central location Ex. A KIP 5000 which has a centralized list and rules for accounting. For information on how to set up unified Accounting please see the Request or PrintNet sections.

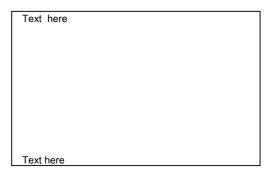


The Requester, Job Number and Description fields under "Printing Preferences" or "Document Defaults (NT4)" can be set to use operating system environment variables. Examples: The *Requester* field can be set to %Username%

The Description field can be set to %Computername%

2.10 Header

To easily recognize printed documents, text can be placed on the top and bottom of the print. The text header includes all the "Management" information as well as the file name.



2.11 Folder

If an optional folding device is installed onto the printer, select fold to allow the printer to determine which fold table to apply to the document. The patterns must be set by a certified service technician in the KIP 5000 IPS.

2.12 Mirrored Output

The image can be mirrored as required by the user. This may be needed on translucent media or for other specialty applications.

2.13 Reverse Collate

If the document to be printed contains more than one page, collation may be important. To allow the pages to be reversed printed (last page first), select this function. Please note that the application must also support multiple page printing.

2.14 Stamps

The KIP Windows driver will read the list of available stamps that are configured on the KIP IPS. It is not possible to modify these stamps using the driver. For information on configuring stamps, please see the KIP Request documentation.

3.0 Installation

3.1 Prerequisites

Requirements at the Network Server or User Workstations

- a) The **K**IP **U**nified **W**indows **P**rinter **D**river (KUWPD) allows windows printing from Microsoft Windows NT4 / 2000 / XP / x64 Operating systems as well as 2003 Server based applications. (Windows 9x is not supported)
- b) Please ensure that your applications are as up-to-date as possible, in terms of version, available service packs, and hot fixes (this also includes your OS).
 - a. Windows NT Service Pack 6 is Required
- c) If you are updating your system from a previous installation, you will likely need the assistance of and/or permission from a Network Administrator to remove the previous KIP Driver. Any users connected to the previous shared version of the KIP Printer Driver on the Server or Workstation will need to remove that printer object and connect to the newly shared driver that will be installed.

KIP Unified Windows Printer Driver (KUWPD) offers HPGL2/HP-RTL and Postscript Language printing to KIP digital printers from Microsoft Windows NT4 / 2000 / XP / 2003 based applications (Windows 9x platforms not supported). The driver can be downloaded from your local KIP website and is included on your KIP 5000 Software CD. This driver may also be obtained from KIP PrintNET. Please see the PrintNET documentation for more information.

KUWPD contains:

- Printer driver files
- An installation utility (**Printman.exe**)
- A dedicated printer port monitor (KIP0) for Microsoft operating systems as described in the following pages.
- Once the KUWPD has been downloaded and uncompressed, the files can be
 placed directly on the workstation or server to which it will be installed or on a
 USB drive or CD. See Appendix A for details on the files and file structure.

For new installations on a Workstation or Server see: "Installation Process"

For updating from a previous installation of a KIP Printer see: "Upgrade Installation"

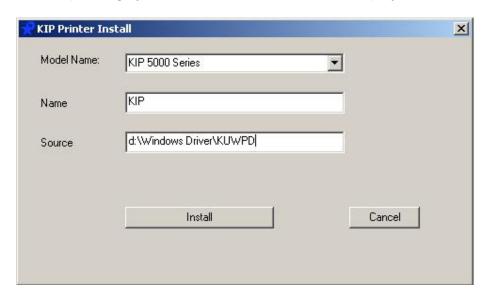
3.2 Installation Process - Automatic

KIP Unified Windows Printer Driver (KUWPD) can be installed on Microsoft Windows NT4, 2000, XP, x64, 2003 platforms (Windows 9x platforms not supported) by using the provided **printman.exe** utility or by <u>manually</u> adding a port monitor (monitor.inf) and printer driver (plotter.inf). In both cases, Local Administrative rights are necessary.

Printman Utility Installation Method:

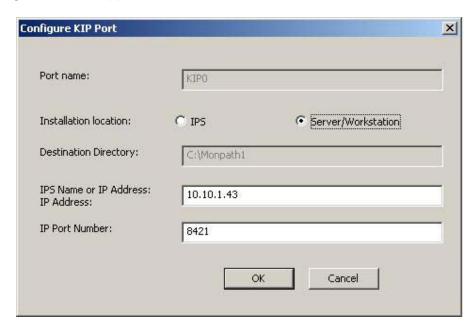
Once the KUWPD has been downloaded and unzipped, the files can be placed directly onto the workstation or server where it will be installed or, onto a USB drive or CD. See **Appendix A** for more information on the files and structure.

a) Execute **printman.exe** from a Microsoft Windows NT4, 2000, XP, x64 or 2003 operating system. An installation window is displayed:



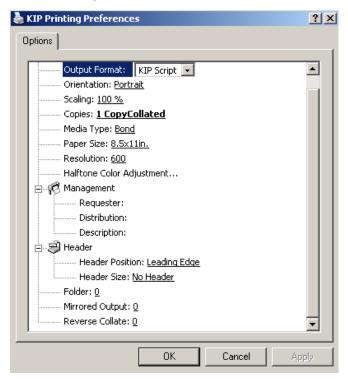
- b) Select the appropriate KIP Printer from the *Model Name* drop down selection (kip 5000). Do not change the *Name* and *Source Fields*.
- c) Select *Install*. KIP printer port monitor is now installed.

The following screen will appear.



- e) Do not change Port Name.
- f) Choose Server/Workstation from Installation Location.
- g) Do not change *Destination Directory*.
- h) Provide the IP address **OR** hostname of your KIP printer for *IPS Name or IP Address*. It is important to add EITHER the hostname OR the IP address. Do not add both. This is the destination address.
- i) Do not change IP Port Number.
- j) Click OK. The selected KIP Printer Driver is added to the system and assigned to the Printer Port monitor (KIP0).
- k) The installed printer can now be accessed from the Microsoft Printer Control Panel. If printer is not seen, press F5 to refresh the printer list

Right-Click on "KIP Printer" and select *Printing Preferences*. User Interface is displayed. For Microsoft Windows NT4, select *Document Defaults*.



- I) The following settings will determine the <u>initial defaults</u> for the printer driver. These defaults are acquired from client workstations connecting to the shared printer driver. Please note that some workstations may not be able to alter the Printer Preferences unless allowed by the network login.
- m) Select desired *Output Format** and make your selections for default paper size, orientation, *Management* functions*, and Header information.
- n) Click OK when finished.
- o) Share the printer to other network clients if required.

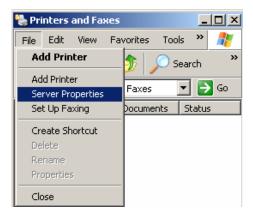
3.3 Installation Process - Manual

The **printman.exe** utility is designed to automate the installation of the KIP Port Monitor (KIP0) and the KIP Unified Windows Printer Driver (KUWPD). It is possible to install both components manually. Manual installation techniques may be necessary to satisfy IT and/or corporate requirements.

a) Depending on your operating system, locate the appropriate folder that contains the monitor.inf for your system platform.*

KUWPD \ WINNT4 = Microsoft Windows NT 4 Workstation / Server
KUWPD \ WIN2000 = Microsoft Windows 2000 Workstation / Server
KUWPD \ WINXP = Microsoft Windows XP, Microsoft Windows 2003 Server
KUWPD \ AMD64 = Microsoft Windows XP 64-bit Edition

- * Alternatively, you can use the Microsoft Standard TCP/IP port monitor (configured for LPR/LPD), however some functionality and transport speed will be lost. See *Printing Hints* section in Appendix.
- b) From the Printers control panel, select File, Server Properties.

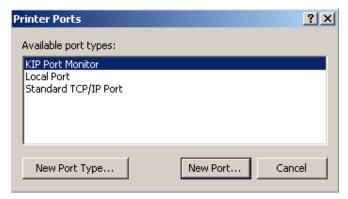


c) Print Server Properties is displayed. Select *Ports* from available tabbed headings.

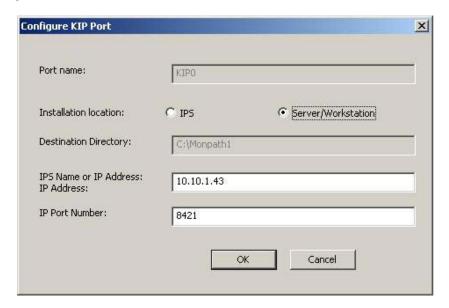


d) Select Add Port. Printer Ports dialog is displayed. Select New Port Type.

e) Browse to the appropriate operating system folder from the KUWPD distribution, and select monitor.inf. *Select OK. KIP Port Monitor* is added to Available Port Types.



- f) Select KIP Port Monitor and click New Port.
- g) Configure KIP Port:



- f) Do not change Port Name unless required*
 - * For multiple KIP printers, create an additional KIP Port per printer named KIP1, KIP2, KIP3...
- g) Choose Server/Workstation from Installation Location
- h) Do not change *Destination Directory*
- i) Provide the IP address **OR** hostname of your KIP printer for *IPS Name or IP Address*. It is important to add EITHER the hostname OR the IP address. Do not add both. This is the destination address
- j) Do not change IP Port Number
- k) Click OK. Port Monitor is now configured. Exit Print Server Properties.
- I) Continue printer installation by using Add-Printer-Wizard.

3.4 LPR / LPD Port

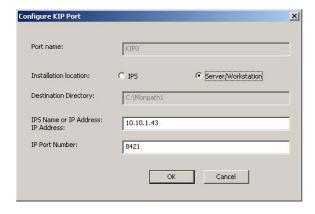
The Microsoft provided TCP/IP Port Monitor can be used as an LPR/LPD type of port instead of the KIP0 port. During configuration of TCP/IP Port Monitor, LPR must be used, with *LPR Byte Counting* enabled. LPR/LPD implementation requires a *Queue Name* to be defined. Use KIP as the queue name, in all uppercase lettering. This is the name of the printer object on the KIP IPS by default.

3.5 Upgrade Process

Obtaining the Windows Driver Information if the KIP IPS replaces another KIP system

For your current Windows Driver Setup, please obtain the following information prior to removing or uninstalling any component.

Obtain your current Windows Driver Configuration. In your Windows Driver, go to **Properties**, **Ports** and locate your information for the KIP0 port. Complete information within the table provided.

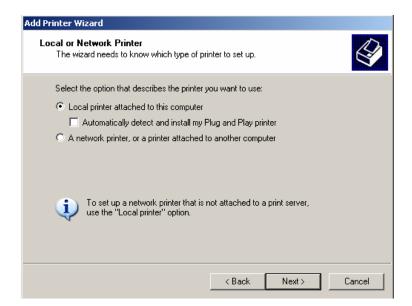


Port Name	
Port Location	
Destination Directory	
Controller Name / IP Address	
IP Port Number	

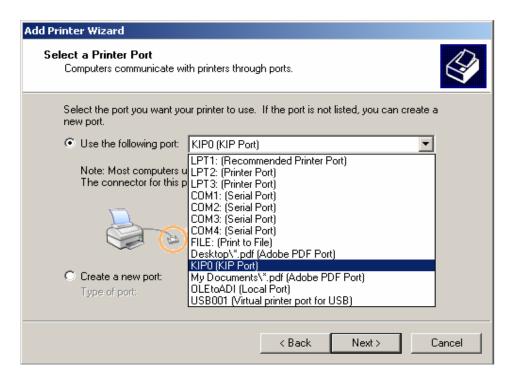
KIP Unified Windows Printer Driver (KUWPD) can be upgraded from previous versions of KIP Windows Printer Drivers on Microsoft Windows NT4, 2000, XP, x64, and 2003 platforms by manually adding the new printer driver (plotter.inf) to an existing KIP0 port. Local Administrative rights are necessary.

- a) Delete existing KIP printer driver object(s) from the Control Panel Printers menu at the workstation(s) / server(s).
- b) Once the KUWPD has been downloaded and unzipped, the files can be placed directly onto the workstation or server where it will be installed or, on a USB drive or CD. See **Appendix A** for more information on the files and structure.

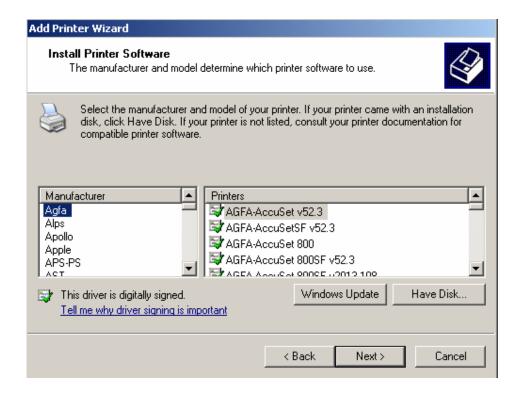
c) From the Control Panel - Printers menu select "Add Printer". When the Printer
 Wizard dialog is displayed* select Local printer attached to this computer. Click Next
 * Microsoft Windows NT4 screens will vary slightly from those shown



d) Select *Using the Following Port*, and assign *KIP0*, or use *KIP1*, *KIP2* depending on the installation. Select *Next*.



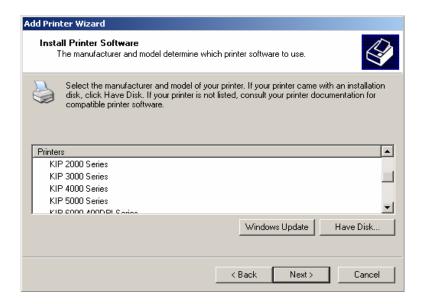
e) Install Printer Software dialog is displayed. Click Have Disk.



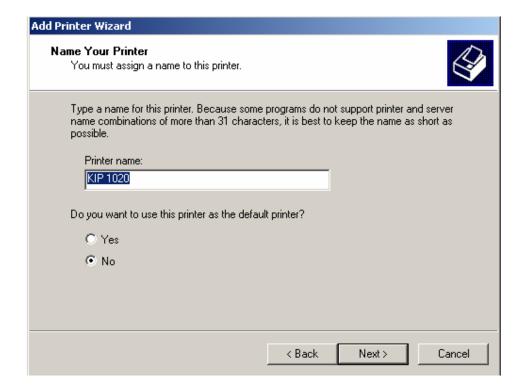
f) Depending on your operating system, locate the appropriate folder that contains the plotter.inf for your system platform.

KUWPD / WINNT4 = Microsoft Windows NT 4 Workstation / Server KUWPD / WIN2000 = Microsoft Windows 2000 Workstation / Server KUWPD / WINXP = Microsoft Windows XP, x64, Microsoft Windows 2003 Server

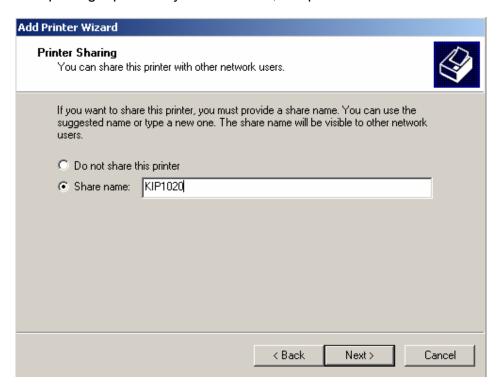
g) Select the appropriate KIP Printer from the list displayed and click Next.



h) Provide a Printer Name when prompted. Select Next.



- i) Assign a shared name (if applicable)*. Select Next
 - * If replacing a previously shared driver, it is possible to use the same share name.



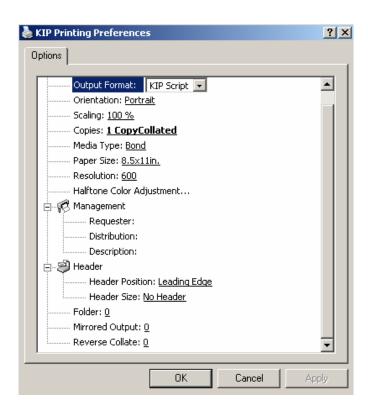
j) Determine if you would like to print a Test Page when prompted. Select Next.



k) Completing the Add Printer Wizard dialog is displayed. Click *Finish*. Printer Driver is added to system.



- Installed printer can now be accessed from the Microsoft Printer Control Panel*
 If printer is not seen, press F5 to refresh the printer list
- m) Right-Click KIP printer and select *Printing Preferences**. User Interface is displayed. * For Microsoft Windows NT4, select *Document Defaults*



p) The following settings will determine the <u>initial defaults</u> for the printer driver. These defaults are acquired from client workstations connecting to the shared printer driver.

Please note that some workstations may not be able to alter the Printer Preferences unless allowed by the network login.

- n) Select the desired Output Format* and make your selections for default paper size, orientation, Management functions*, and Header information.
 - * See *Printing Hints* section later in this document
- o) Click OK when finished.



▲ NOTE

If you wish to add additional KIP Printers, use the Add-Printer-Wizard, and select KIP (c) from the list of manufactures.

4.0 Appendix

4.1 File Structure Overview

When the printer driver is unzipped and copied to the Hard Disk of the system whereit will be installed, the directory and file structure are as follows:

C:\KUWPD C:\KUWPD\AMD64 C:\KUWPD\WINNT4 C:\KUWPD\WIN2000 C:\KUWPD\WINXP

KUWPD

- Printman.exe Installation utility for Microsoft Windows NT4 / 2000 / XP / x64 / 2003.
 Provides a GUI for Printer Port Monitor and Printer Driver installation.
- Mfc71.dl I- Microsoft DLL needed to run Printman
- Msvcr71.dl I- Microsoft DLL needed to run Printman

AMD64

- Copy64.exe utility to properly place x64 files in support path structure
- Microsoft.VC80.CRT.manifest Microsoft compiler manifest file
- msvcr80.dll Microsoft DLL needed.

WINNT4

Plotter.inf-

		
•	Kawntppm.dll-	Printer Port Monitor for Microsoft Windows NT4 Workstation /
		Server
•	Kipgs24.ppd -	Postscript Printer Definition File
•	Kipgs400.ppd-	Postscript Printer Definition File
•	Kipgs600.ppd-	Postscript Printer Definition File
•	Kipgs1020.ppd-	Postscript Printer Definition File
•	Kuwntpd.dll-	Printer Driver DLL for Microsoft Windows NT4 Workstation / Server
•	Kuwntpdui.dll-	Printer Driver User Interface for Microsoft Windows NT4 Workstation / Server
•	Monitor.inf-	Printer Port Monitor installation file Microsoft Windows NT 4 Workstation / Server

Workstation / Server

WIN2000

Kaw2kppm.dll- Printer Port Monitor for Microsoft Windows 2000

Kipgs24.ppd Kipgs400.ppd Kipgs600.ppd Kipgs1020.ppd Postscript Printer Definition File
 Postscript Printer Definition File
 Postscript Printer Definition File

Kuwxppd.dll- Printer Driver DLL for Microsoft Windows 2000 / XP / 2003
 Kuwxppui.dll- Printer Driver User Interface for Microsoft Windows 2000 / XP /

2003

Monitor.inf Printer Port Monitor installation file for Microsoft Windows 2000

Plotter.inf Printer Driver installation file Microsoft Windows 2000

WINXP

Kuwxppm.dll- Printer Port Monitor for Microsoft Windows 2000 / XP / x64 / 2003

Kipgs24.ppd- Postscript Printer Definition File
 Kipgs400.ppd- Postscript Printer Definition File
 Kipgs600.ppd- Postscript Printer Definition File
 Kipgs1020.ppd- Postscript Printer Definition File

Kuwxppd.dll Kuwxppdi.dll Frinter Driver DLL for Microsoft Windows 2000 / XP / x64/ 2003
 Kuwxppui.dll Frinter Driver User Interface for Microsoft Windows 2000 / XP / x64

Monitor.inf- Printer Port Monitor installation file for Microsoft Windows XP / x64

2003

• Plotter.inf- Printer Driver installation file Microsoft Windows XP / x64 / 2003

4.2 Printing Hints

• **Issue**: Adobe Acrobat 6.X products, when printing with KIP GL output language and large size (E-Size or larger) documents has potential to miss or clip off data prematurely.

Solution: Adobe Acrobat 7.X products correct this issue. Acrobat 6.X requires the use of KIP Script output to solve this issue (choose KIP Script in the drivers **Printing Preferences** prior to opening Acrobat 6)

 Issue: Printing from Adobe products such as Acrobat Reader requires Postscript output.

Solution: Default the "Printing Preferences" of the KIP driver to KIP Script prior to opening the Adobe application. Printing of KIPScript data also requires the Powerscript3 option on the KIP Controller.

- Issue: The output format for driver MUST be chosen before entering an application to ensure proper output format.
 Solution: Ensure output format is set in Printing Preferences before launching an application.
- Issue: Printing from AutoCAD products with large and/or complex amounts of embedded raster objects will cause a very large output file / spool file size.
 Solution: It is suggested to use dedicated KIP ADI/HDI for complex raster printing from AutoCAD products.

Section 5

KIP AutoCAD Driver

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1.0 Overview and Features

The KIP AutoCAD HDI has been designed to quickly and effectively print to the KIP printer directly from the AutoCAD application when using the Microsoft Windows operating system.

The KIP driver is supported with these versions of AutoCAD from AutoDesk:

2004 / 2005 / 2006 / 2007

The following two screens are general to AutoCAD and are not detailed within this User Guide. They select the print to device, media size, pen configurations, and shading to list a few of their functions. Please refer to the AutoCAD User Guides for more details on these screens features and functions.

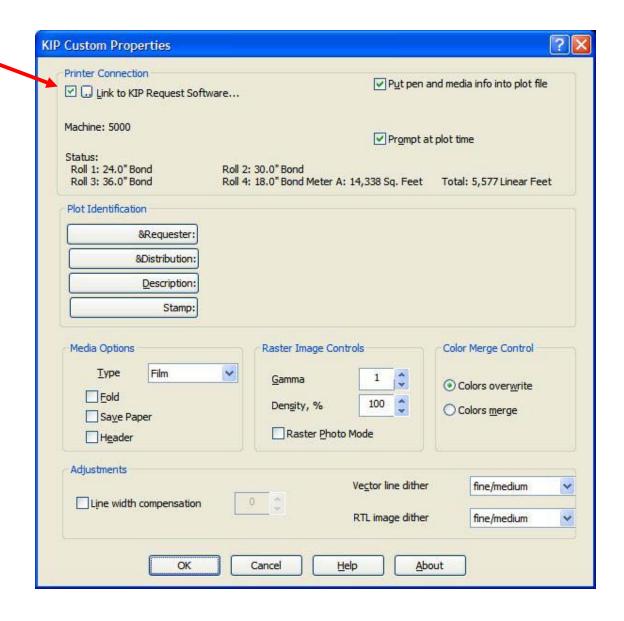


Advanced features and functionality of this driver can work in tandem with **KIP Request** software for added power and flexibility, or as a stand-alone entity. Features when linked to KIP Request include stamping, folding, headers, advanced raster image controls, media type selections, real time printer status and job accounting all from within the AutoCAD application.

Plotter Configuration



Within the "Plotter Configuration Screen" noted in the previous page is "Custom Properties", please select *Link to KIP Request Software...*



2.0 Connection

2.1 Options

There are two methods to print from the KIP HDI driver to the KIP 5000:

- 1) Windows Printer Port
 - The Windows driver must be installed on the PC. This method spools images directly to the printer via the printer port. This is a very simple connection method with all available features and functions of the KIP HDI driver. This is the preferred method.
- 2) Plot to File

The output file must be manually submitted to the printer using KIP Request software. This method is not detailed in this guide.

2.2 KIP Request Link – Advanced Features

Users have the flexibility of linking to KIP Request to access advanced functions and features.

Allowing the KIP HDI driver to interface with KIP Request provides the most versatile and powerful printing solutions. KIP Request is a document submission tool that allows for complete and comprehensive control over printing / plotting.

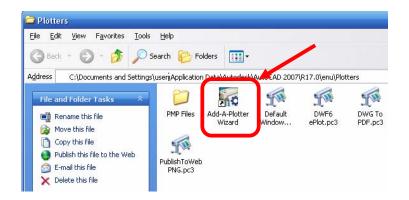
This software can operate on several remote workstations simultaneously. With KIP Request, users have the ability to obtain real-time printer/plotter status, password protect these submissions based on user and job information, apply custom made stamps, activate folding devices and modify job descriptions. The KIP HDI driver was designed to take advantage of, and dynamically link to, KIP Request, bringing many of these key features to the AutoCAD interface. It is recommended that the KIP HDI driver be configured in this manner. If you opt not to link with KIP Request, certain features of the KIP HDI driver will not be available to you (i.e. real-time printer status, password protected pull-down menus, on-the-fly stamping, and automated spooling). This document assumes that KIP Request is utilized and installed properly. Installation instructions and further documentation for KIP Request are found in the KIP Request Section of this guide.

3.0 Installation

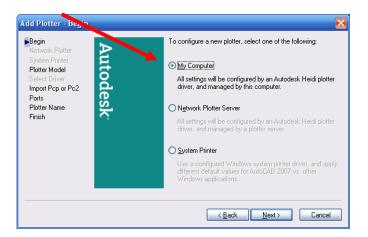
1) Within AutoCAD, click on *File*, and then select *Plotter Manager*.



2) Under *Plotter Manager* double Click the *Add-A-Plotter Wizard* Icon.



3) Choose **My Computer** to install the driver to your local computer.



- 4) Identify your plotter / printer model.
 - a) If KIP is in the list, simply select KIP from your list of manufacturers and click "Next."
 - b) If KIP is not in the list, click the "Have Disk" button and you will be able to browse for the plotter driver from your KIP Software CD. The file you are searching for is located in the Drivers\KIP HDI folder and should appear as KIPx.hif.





Note

KIP6.hif is the driver file for AutoCAD 2000

KIP7.hif is the driver file for AutoCAD 2000i and AutoCAD 2002

KIP8.hif is the driver file for AutoCAD 2004, 2005 and 2006.

KIP9.hif is the driver file for AutoCAD 2007

- 5) Once you have selected this file KIP will appear in the list. Select it from your list of manufacturers and click "Next."
- 6) The next screen is the PCP and PC2 importation screen. This screen allows users of previous AutoCAD versions to import their PCP and PC2 files to the AutoCAD 2000 family PC3 file format.

If the user does not wish to migrate or does not have any PCP or PC2 files, click the "Next" button and proceed with the installation.

7) Output Port Selection: select **KIP0**, which is the Port created at the time the KIP Windows driver is installed.



Note

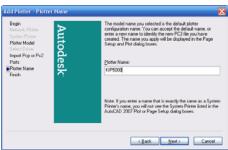
The KIP windows driver should be installed prior to the AutoCAD driver to use this port. If you choose not to use this method, select *Plot to File*.

8) Specifying the printer's name. Since all the KIP printers use the same driver, the user could set up a name for each KIP device. We recommend you use the nomenclature of your KIP machine to identify the printer's name.

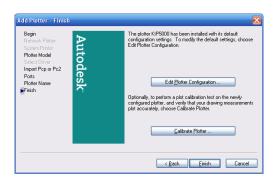
Example: KIP 5000







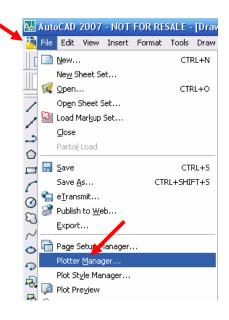
- 9) To complete the installation, click the *Finish* button. Printer configuration will be done later and there is no need to "Calibrate Plotter" as the KIP printer was calibrated during installation by the technician.
- 10) Once the installation is complete, please note the creation of the KIP 5000.pc3 file in the ACAD/Plotters folder.



4.0 Configuration

Click on File, and then Plotter Manager

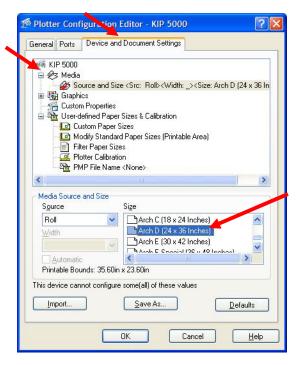
1) Double-click on the .PC3 file of the KIP printer to open the Plotter Configuration Editor.



Navigate to the "Device and Document Settings" tab

4.1 Media

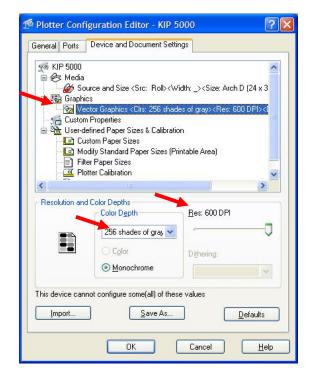
- Click the "+" sign next to "Media". This will open up the Media Options and allows selection of the Media Source (which is "Roll") and Media Size.
- 2) Select your media size to suit your image.



4.2 Graphics

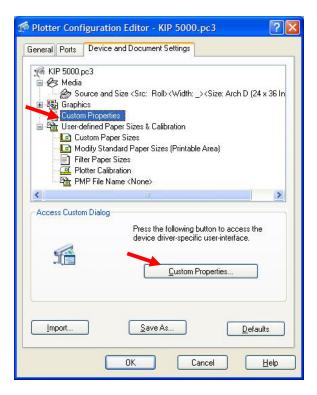
Click the "+" sign next to "Graphics".
 This will open up the Graphics options and allows the selection of the Color Depth (in this case "256 shades of gray") and the resolution.

The KIP 5000 has 600DPI resolution.



4.3 Custom Properties

- 1) Click on Custom Properties
- Then click on the button to see the KIP Custom Settings dialog box.
- 3) A number of the features of the KIP Request software have been directly integrated into the KIP HDI driver; these features are enabled by "linking" the HDI driver to the KIP Request software.

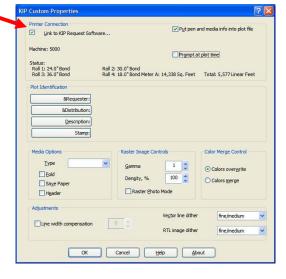


4) By clicking the "Link" to the KIP Request Software" checkbox, the user will be asked to locate the **KIP Request configuration** file (this is the file the HDI driver uses to employ the KIP Request features.)

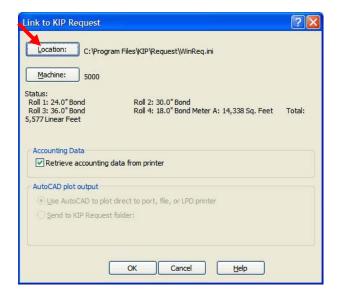


Note

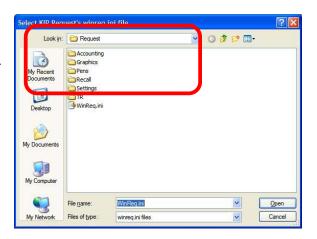
KIP Request must be installed and configured to link these features to this HDI driver. Please see the Request section of the User Guide.



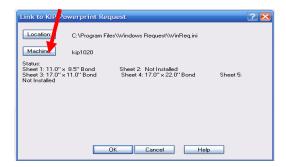
5) The following dialog box requires the user to locate the winreq.ini file. Click on the "location" button.



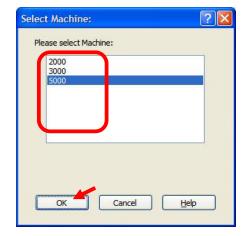
6) It will point to the default location, which is C:\Program Files\KIP\Request.



7) Click the Machine button, to list of all of the machine models connected in Request and select which machine to link. Please note that the models listed are dependent on those used in Request.

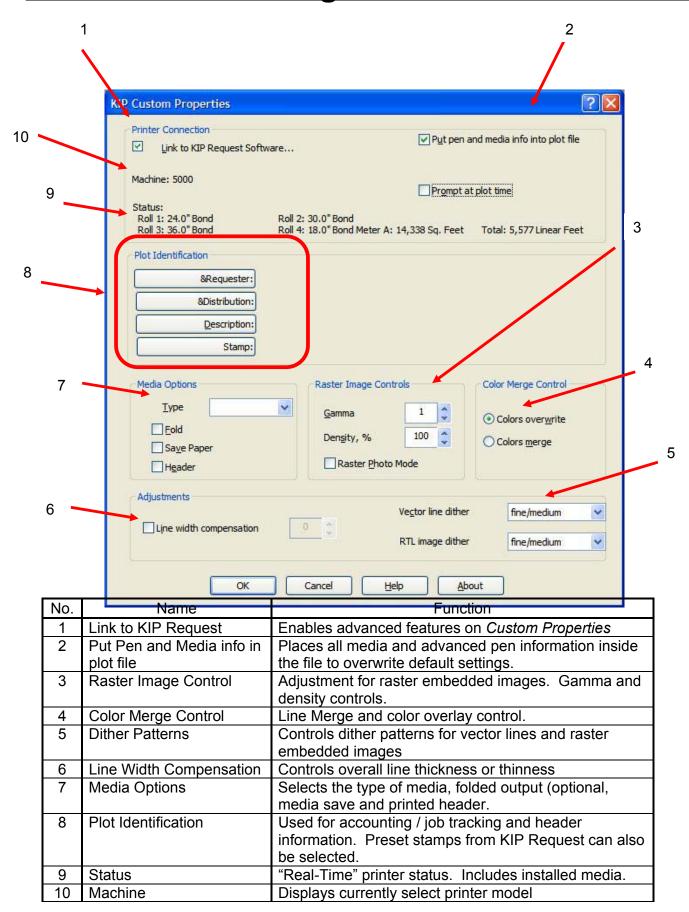


8) Select "OK" to finish linking the KDI to KIP Request.



9) The KIP custom settings dialog box should display "Real Time Status" from the KIP printer. Users have the ability to track printing from the AutoCAD application by Requester, Job Number, and Description. Users also have the ability to add a stamp to their document from the KIP HDI driver.

5.0 Custom Settings



5.1 Printer Connection



5.1.1 Link to Request Software

This button should be selected to utilize the advanced features of the Custom Properties screen. It links the AutoCAD Driver to the Request Software.

5.1.2 Put Pen and Media Info into File

Includes all print file header information necessary for proper processing on the KIP IPS controller. This includes the media types and sizes, merge control and the Raster Image control to override the default settings in the printer.

5.1.3 Machine

Displays currently installed printing devices. Installations with multiple printers can select the specific printer as noted in the installation section.



5.1.4 Status

This region shows the current:

- roll width and type
- any misfeeds
- toner requirements
- standby mode of the printer

This is an active communication with the printer. The status is shown at the desktop of the user rather than requiring the user to visit the printer.

5.2 Plot Identification

The following features can be used in environments where job costing or department allocations are required for prints on the KIP 5000. They can also be useful for print identification and print distribution as this information can be placed in a header. Unified Accounting – The AutoCad Driver points to a central location Ex. A KIP 5000 which has a centralized list and rules for accounting. For information on how to set up unified Accounting please see the Request or Print NET sections. NOTE: Unified Accounting is on by default.



Please see the Appendix for advanced naming variables.



5.2.1 Requester / User Name

This button allows the user to select a predetermined User Name from a drop down list or manually type a name. This field may be configured to be mandatory and password protected (see KIP Request Software Guide). The drop down variables and passwords themselves are also configured in the Request Software. *"Username"* may be used as an environment variable.

5.2.2 Job Number

This button allows the user to select a predetermined Job Number from a drop down list or manually type the job number. This field may be configured to be mandatory and password protected (see KIP Request Software Guide). The drop down variables and passwords themselves are also configured in the Request Software.

5.2.3 Description

This button allows the user to select a predetermined Description from a drop down or manually type a description. This field may be configured to be mandatory and password protected (see KIP Request Software Guide). The drop down variables and passwords themselves are also configured in the Request Software.

5.2.4 Stamp

This button allows a stamp (predetermined in the Request Software) to be placed on the print(s). The creation and placement of the stamp is preformed in the request application. (see KIP Request Software Guide)

5.3 Media Options



5.3.1 Type

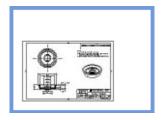
This drop down list has the listed media types that may be installed in the KIP printer. They include **Bond**, **Vellum and Film**. Please note the *Status* region to confirm the media currently installed. If media selected for a print is not currently installed, the printer will "hold the job" and wait for the media type to be satisfied prior printing the job.

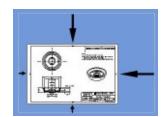
5.3.2 Fold

Folds the print according to the fold patterns configured on the KIP IPS. Please note that the optional folder must be installed for this action to occur.

5.3.3 Save Paper

If the media size selected is larger than the image size, this button will prevent excess media (waste) from being consumed in the print process. This occurs in the length of the print. This does not affect image output.

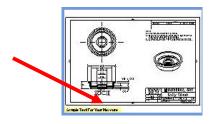




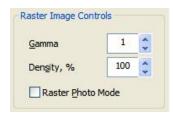
Note: If the Printer is set to "Closest," the nearest roll width installed will be used to even further reduce media waste (more than one roll width must be installed of the same media type).

5.3.4 Header

A text header can be placed on the paper for print identification. The information placed in the **Plot Identification** will be printed on the print



5.4 Raster Image Control



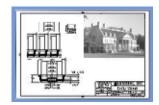
5.4.1 Gamma

This value sets the gamma level of embedded raster images on the print file. Gamma is the overall contrast of the image.

5.4.2 Density

This value sets the density of the image without affecting lines or shades in a print (the vector data). This can be used to enhance photos or other raster images placed within a drawing. A higher value will have a greater density.



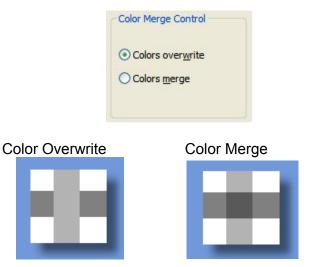


5.4.3 Raster Photo Mode

This button is used to print the shading effects of a raster image. Some raster images are meant to be 100% solid (no tones such as a line). Others are pictures or drawings where shades are required. Select Photo Mode to print the raster image as shades rather than 100% solid. Embedded Excel or Word documents should have this un-selected for optimum output.

5.5 Color Merge Control

Color merge is the prevention or selection of a third color (or shade when printer on the KIP 5000) where layers of a drawing overlap.



5.6 Adjustments



5.6.1 Line Width Compensation

Controls line weights on a global basis. Values can be from -4.0 to +4.0. A higher value will result in all lines increasing in thickness. A lower value will result in all lines decreasing in thickness.

5.6.2 Vector Line Dither

Controls dithering patterns for grayscale line entities. Values are from Fine (Tight) to Coarse (Wide) dither patterns.



Note

This does not control vector fill areas. This should be set at the KIP IPS

5.6.3 RTL Image Dither

Works in conjunction with *Raster Image Control:* if Raster Photo Mode is enabled, then RTL Image dither can be controlled. Values are from Fine (tight) to coarse (wide) dither patterns. Photographic images work best with a more coarse setting while embedded text documents from Word or Excel work best with a Fine setting.

6.0 Appendix

6.1 Accounting Features- Variables

Specialized names or masks can be used for the accounting data fields in the Custom Properties of the KIP AutoCAD Driver (Requester, Job Number, and Description)

Both the Requester and Job Number fields by default are recorded into the KIP Controller Accounting log. The Job Number field can then be the key field used to query Production Reports directly from the KIP Unattend software. The KIP Controller log can also be imported into any program that can read ASCII data.

Specialized Mask Names and Rules

These customized names can be assigned to the mask elements using all normal methods.

Dwgname and dwgpath are the only two variables that can be set.

Example:

AutoCAD reports original file path of drawing named "R300-20.DWG" and the path that the file is stored in as:

C:\Program Files\AutoCAD 2006\drawings\R300-20.DWG

If mask item is set to:

Dwgname logged is "R300-20"

Dwgpath logged is 'C:\Program Files\AutoCAD 2006\drawings\R300-20.DWG"

dwgpath=x\x\x\x\x\x where = sign and following is optional mask to select path elements. x replaced by # includes that element of path to be used in accounting data.

dwgpath=x\#\x\x logged is 'Program Files'

dwgpath=x\#\# logged is "Program Files\AutoCAD 2006"

Section 6

KIP Request

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1. 0 Introduction

1.1 Introduction

KIP Request software can be used to send documents, or sets of documents, to a KIP Printer. Request can be used from a workstation enabling users to print across a network. It has many advanced features and powerful functions to allow customization of prints.

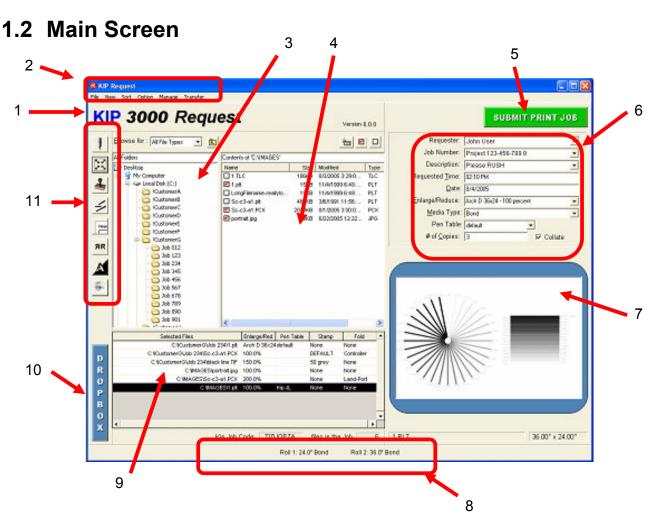
Using the Request software, allows the "requester" a number of adjustable options like selection of username, job number, media type, zoom, number of copies, description of job, pen table adjustments, time / date selection, invert, mirror, stamping, header and fold options to name a few features.

The Request package also allows configuration of the KIP 5000. This include scan to FTP location, accounting to include Passwords and Usernames, as well as retrieve scanned images from KIP 5000 IPS Mailboxes.

It is also used to configure KIP PrintNet another submission utility that is web browser based.

The KIP Request software is a comprehensive tool which allows access to the advanced functions and features for the KIP 5000.

6-3 Section 6 Request



No.	Name	Function
1	Printer Selection	Click on the "name" to select the printer you wish to print to if more than one KIP device installed.
2	Menu	Menu for multiply functions in the GUI and configuration of the software / system.
3	Folder Select	Use this region to select the folder you wish to print files from.
4	File Select	Displays the files in a folder to allow selection.
5	Submit	After file selection and adjustments, sends job for
		printing.
6	Key Job Settings	This area allows the key details to be applied to a job, if so needed.
7	Pre -View	Files can be pre-viewed prior to printing. Click on this area to pre-view a file.
8	Printer / Job Info	Displays current printer roll information or status as well as basic job / file information
9	Job List	Displays files for printing and any function applied to the file
10	Dropbox	For drag and drop function of file selection
11	Advanced Job Settings	Allows advanced job and print configurations, such as Zoom, Stamp, Fold, and Pen Control.

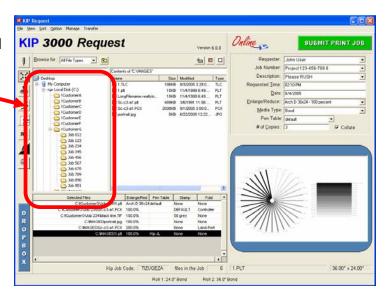
1.3 Simple Printing

The following describes how to make a basic job submission to the KIP printer.

1) Click on the "KIP Request" icon on your Desk Top



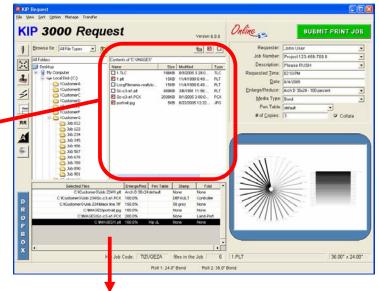
- 2) Or from the "Start" button click on:
 - a) All Programs
 - b) KIP Programs
 - c) KIP Request
- 3) Browse to the folder where the files you wish to print are located on your local PC or on the network. (usual Windows mouse functions for folder selection)

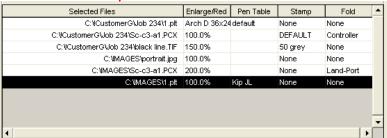


4) Click on the file(s) to print which will be shown with a "check mark" in the box beside the file.

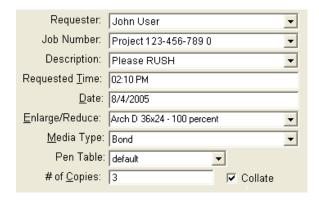


 The files selected will now also be shown in the lower box noting any zoom, pen, stamp and fold to be applied.





6) Complete any Key Job Settings that may be required such as user name, zoom, media type, collation and number of copies / sets.



7) Press the Submit Print Job button.



8) The files selected will be printed.

NOTE:

Later in this manual, descriptions of custom settings which you may wish to apply to prints, are detailed. Custom settings should be configured prior to selection of the files.

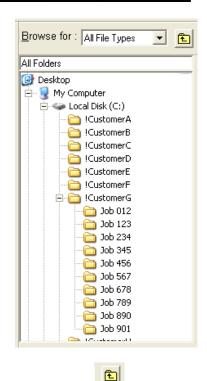
6-6 Section 6 Request

2. 0 Function / Feature Details

2.1 Folder Select

2.1.1 Select a folder

- Using the mouse to select a drive letter, computer or other location on the PC or network where the files to be printed are located.
- b) Click once to view the files within displayed in the file region.



2.1.2 Folder up

The Folder Up icon takes you to the next higher folder in the folder structure.

2.1.3 Display File types "Browse for"

Request can be configured to only display files that are printable in the File Select area or to display all file types. The Configured Types are set by the administrator. Please see the INI. configuration for details on how to set this feature's function.



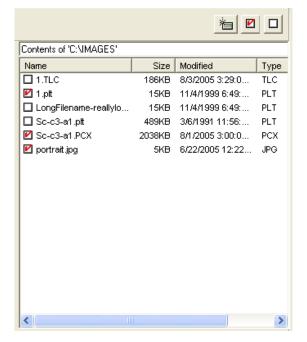
2.2 File Select

2.2.1 Select a file

 After selection of the folder which contains the files for printing, files within the folder will be displayed in this area. The details of the file are also noted, such as size type etc.

Note: This area can be resized within the region provided.

 b) Click on the file to be printed: a red Check will indicate that they are selected.



 c) If an invalid file is selected, which cannot be printed, a note box will appear. (in this case a .hlp file can not be printed)



File types which *can* be selected are:

HPGL/2 formats (.plt, .hpg, .gl2, .000, .rtl, .906, .907, etc.)

HPGL formats

HP-RTL formats

Autodesk DWF (.dwf)

Adobe Portable Document Format (.pdf)*

Postscript (.ps)*

Encapsulated Postscript (.eps)*

TIFF Group 4 (.tif)

CALS Group 4 (.cal)

PCX Monochrome (.pcx)

Intergraph (.cit)

JPEG (.jpg)

Computer Graphics Metafile (.cgm)*

Government Group 4 (.c4)

ASCII File formats (.txt, et cetera)

KIP Format (.tlc)

* Requires an Option

All file formats are registered to there respective companies.

These are some of the most common file extensions. If the file extension differs and the file still remains a valid type, it will print. That is a .plt file can be renamed .xyz and as long as the structure remains intact the file will print.

2.2.2 Recall Last File(s)

The last file(s) sent to be printed (after you press the Submit Button) can be recalled with this button. This allows quick resubmission if required for additional changes and sets.



2.2.3 Select All

This button selects all files in the current folder.



2.2.4 Unselect All

This button deselects all files in the current folder



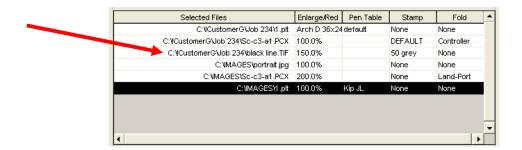
2.3 Job List

2.3.1 Selected Files

Once selected (in 2.2.1), all files to be printed are listed here. It includes the file name (with location structure), pen table, stamp and fold pattern to be applied to each file. This region allows further settings to be applied to the selected file(s).

6-8

Note: This are can be resized within the region provided.



In the above example, the third file from the top (black line.TIF) will be enlarged 150%, applied a pen pattern called "50 Grey" and it will not be folded.

2.3.2 Enlarge / Reduce

Other zoom settings can be applied from the Advanced Job Settings.

2.3.3 Pen Table

Pen type and styles can be applied to vector or hybrid files. They can include pen widths, raster density, junctions, etc. Please see Pens in 2.5.1 for greater details.

The name of the applied pen table is displayed here and can be changed prior to printing.

- a) Click on the "pen Table" of the file you wish to change
- b) A drop down arrow will appear
- c) Select a predetermined pen table. (see 2.5.1 to create tables)



2.3.4 Stamp

Stamps (or watermarks) can be applied to any printed document. Please see Pens in 2.5.3 for greater details.

The name of the applied stamp is displayed here and can be changed prior to printing.

- a) Click on the Stamp of the file you wish to change
- b) A drop down arrow will appear
- c) Select a predetermined stamp. (see 2.5.3 to create stamps)



2.3.5 Fold

If an optional Folder is connected, fold patterns can be applied to the documents. This is called matrix Folding. To set up fold patterns please see 2.5.4 for greater details. The name of the Fold Pattern is displayed here and can be changed prior to printing.

- a) Click Fold on the file you wish to change
- b) A drop down arrow will appear



- c) Select a predetermined Fold. (see 2.5.4 to create Fold Patterns)
- d) Please note that the fold parameter can be set in the Printer and displayed as "Controller" in the Request. This uses the automatic settings of the printer to determine the fold pattern for standard documents. For documents that may require special folding please create the pattern in the Request software

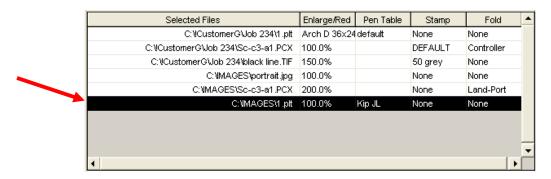
2.3.6 File Order

File print order, and removal can be preformed in the JOB list Area. After files have been selected "right click" in the Job List area.

A menu will appear.



To perform some of the functions in the menu, a file(s) will need to be selected,



a) Cut Selected Files

This is a tool to remove the selected files.

b) Paste Files

This function is used to 'Add' new files between files in the selected files area.

c) Move File Up One

Select a file to move up one in the selected files area.

d) Move File Down One

Select a file to move down one in the selected files area.

e) Move File to Top

Select a file to move up to the top in the selected files area.

f) Move File to Bottom

Select a file to move down to the bottom in the selected files area.

a) Reverse File Order

This tool reverses the entire job list in the selected files area.

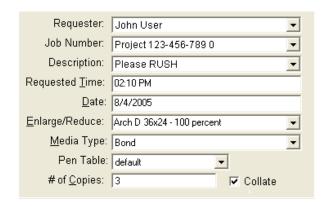
h) Remove File from List

This tool is used to 'Delete' files from the selected files area list.

2.4 Key Job Settings

2.4.1 Requester

This field can be used for accounting. Information entered is applied to the KIP Job and Print Logs. This information will also be printed in the KIP Header if applied. The label of the field, "Requester" can also be customized. (i.e. "Operator" or "User"). This is detailed in the .INI Configuration.



2.4.2 Job Number

This field can be used for accounting. Information entered is applied to the KIP Job and Print Logs. This information will also be printed in the KIP Header if applied. The label of the field, "Job Number" can also be customized (i.e. "Department Number" or "Job Name").

2.4.3 Description

This field can be used for accounting. Information entered is applied to the KIP Job and Print Logs. The label of the field, "Description" can also be customized (i.e. "Sales" or "New Construction").

NOTE: Unified Accounting

Unified Accounting will centralize all your accounting information to the IPS. To enable this feature see the *INI Configuration* section.

2.4.4 Requested Time

Users can select a job be printed at a certain time.

2.4.5 Date

Users can select a job be printed at a certain date

2.4.6 Enlarge / Reduce

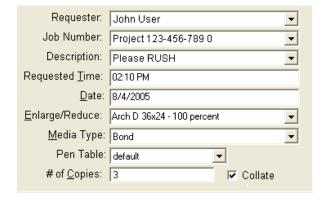
User can select a preconfigured zoom percentage, or key in a percentage from 5% to 360%. If FORCE SIZE is selected, the FORCE SIZE MENU opens (See 2.5.2).

2.4.7 Media Type

This field allows the selection of the type of media the job is to be printed on. Types include bond, vellum, and film (Mylar). Applying the "On Hold" media type will place the job in the queue but will not print until a valid media type is applied by the queue Manager. Other media types can be configured as noted in the INI Configuration section.

2.4.8 Pen Table

This field displays the Pen Table that will be applied to vector files as they are selected. Pull down the menu to select a different Pen Table. Click the Pens button to make changes within the selected Pen Table (see 2.5.1).



2.4.9 # of Copies

This field chooses the total number copies from 1 to 999.

2.4.10 Collate

This field allows collated or uncollated prints.

111, 222, 333 ... or 123, 123, 123 ...

2.5 Advanced Job Settings

On the left side of the main Request screen are buttons to allow advanced settings and configuration of the prints.

These buttons are:

Manage

Pen Configuration

Zoom

Stamp

Fold

Header

Mirror

Invert

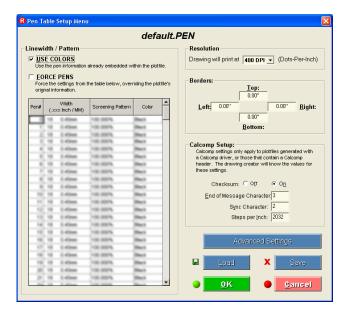
View



2.5.1 Pen Configuration

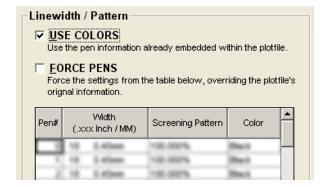
This button allows the modification of the settings of vector plot files. Files' pen table and screening information can be changed. Plot File Setup also allows borders, modification of halftone settings, dither patterns and more. The following is a list of the all the controls:





2.5.1.1 **Use Colors**

This applies a file's native pen width information, and half toning information. Unless you are making changes to a customer's file, USE COLORS is the setting most often used. When USE COLORS is applied, the Pen Table is shaded.



2.5.1.2 Force Pens

Request allows you to edit pen widths and screening by pen number (with a range of Pen 0 to Pen 255.) This forces the settings in the KIP Pen Table to override the pen information originally embedded in the file. Most users will only need to Force Pens if the customer needs to make changes to an existing file.

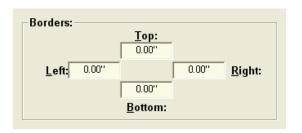
2.5.1.3 Resolution

Allows the selection the dotsper-inch, or resolution, for their documents to be converted. The KIP 5000 is a 600 DPI device.



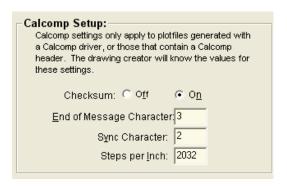
2.5.1.4 Border

This allows a border to be used in the file. A maximum border of five inches can be applied to each edge.



2.5.1.5 Calcomp setup

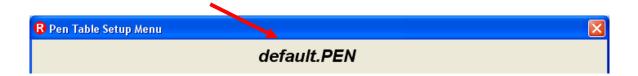
Only use this when submitting a Calcomp language file. This changes Calcomp file settings so that the printer will interpret Calcomp files correctly. These settings include Checksum, Sync Character, End of Message Character, and Steps Per Inch. Calcomp settings only apply to plot files with a Calcomp text header. Most plot files do not contain Calcomp text headers.



2.5.1.6 Load / Save

Saves changes in a custom Pen Table or load a table to see or make changes. Save the table once the changes have been made. The current Pen Table name is displayed at the top of the Pen Table Setup Menu.

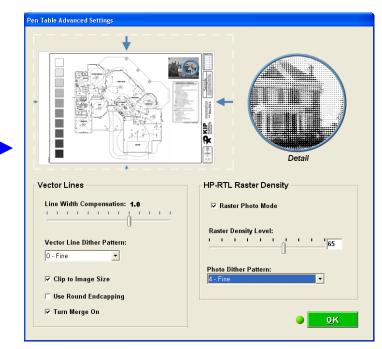




2.5.2 Advanced Settings Button

Advanced Settings

Opens the Advanced Settings Menu.



2.5.2.1 Line Width Compensation

This allows addition and subtraction of pixels from the overall width of all vector lines. Users have the choice of selecting negative values (to compensate for thick lines) to positive values (to compensate for thin lines)

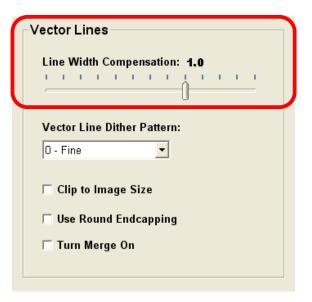
Choosing -1.0 will remove 1 pixel from vector data lines.

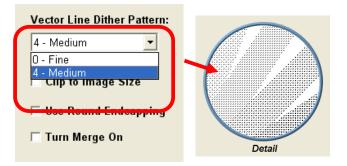
Choosing 3.0 will add 3 pixels to vector data lines.

Choosing 0.0 makes no changes to the lines.

2.5.2.2 Vector Line Dither pattern

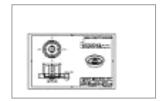
Users have 2 choices of vector line dither patterns. This will alter the appearance of vector grayscale in different ways. Fine is the default setting. There is no 'correct' pattern to choose. Users can choose the setting they prefer.

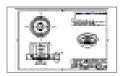




2.5.2.3 Clip to Image Size

This crops the file data to the start of image data. Apply when the file designer has saved the entire drawing area as part of the file. If an error "File Too Large To Print," occurs, clipping to Image Size is often the solution.





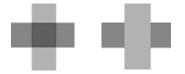
2.5.2.4 Use Round End Capping

This will set end capping on lines in vector files to round ends instead of what has been specified in the plot file's Line Attribute command.



2.5.2.5 Turn Merge On

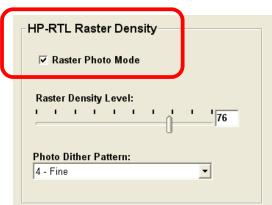
This enables the user to merge lines of different shades. When not applied, the layers within the plot file determine how lines merge on each other.



2.5.2.6 Raster Photo Mode

When a raster image has been embedded within a plot file, Raster Photo Mode should be used.

Raster Photo Mode can be applied to all drawings, whether they contain raster images or not. Some raster images may need to be printed in 100% solid rather than the original shading of the image.

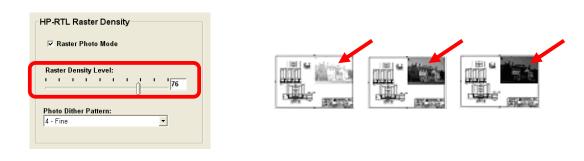






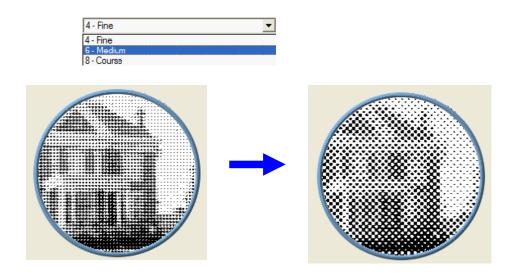
2.5.2.7 Raster Density Level

This slide bar will modify the density level of the embedded raster image. The scale range is from 0-100. The higher the number on the scale, the darker the image will be. A density level can also be keyed into the text field.



2.5.2.8 Photo Dither Pattern (Raster)

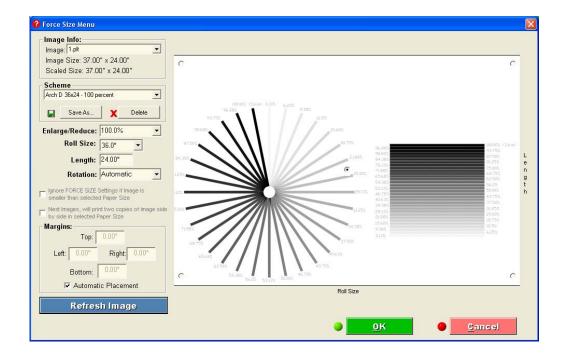
Users have 3 choices of raster dither output patterns. There is no 'correct' setting. Set according to user preference.



2.5.3 Enlarge / Reduce

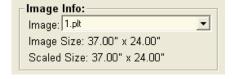
This button allows the for scaling of the image and advanced page sizing for printing. All setting will be saved as a scheme for later use.





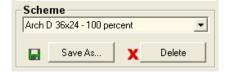
2.5.3.1 Image Information

The current selected file size and any scale applied to it will be displayed here. To note any other selected (tagged) files, use the drop down to select the required file.



2.5.3.2 Scheme

Allows a predetermine scheme (group of settings) to be applied to the files for printing. The creation or deletion of zoom/media schemes is also performed here.



2.5.3.3 Enlarge / Reduce

Select from predetermined zoom ratios with the drop down or enter a custom value in this field



2.5.3.4 Roll Size

Select the roll width to be printed on. Please note that this width must be installed into the printer for the job to commence printing. Please see the Printer Info at the bottom of the main screen to confirm the rolls installed.



2.5.3.5 Length

The length of the page can be entered rather than using the automatic length of the zoom file. Please also not that a value of "0" will automatically cut the media to the length of the image to avoid any waste.

Length: 24.00"

2.5.3.6 Rotation

All prints are automatically rotated to best fit the installed media. This can be changed to allow custom rotation of the image on the page configured in this screen. Degrees include 90, 180 and 270.



2.5.3.7 Ignore Force Size....

If the image is smaller than the selected paper size, no zoom ratio will be applied to the image if this button is selected.



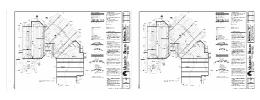
2.5.3.8 Nest

To avoid wasting media and at times to increase print production, two images can be set side by side on a single page of media (nest the images).

 Nest Images, will print two copies of image side by side in selected Paper Size







2.5.3.9 Margins

The image can be positioned anywhere on the page using these fields.



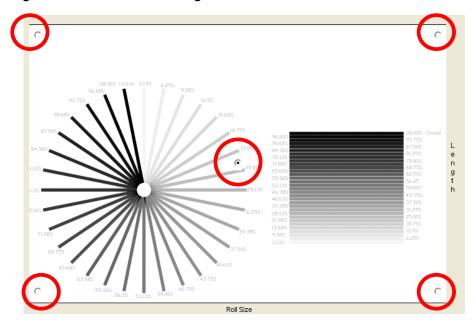
2.5.3.10 Refresh Image

After any settings are applied, press this button to refresh the view box.

Refresh Image

2.5.3.11 View Box

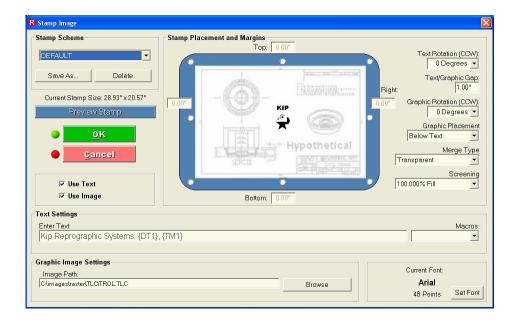
The view box displays the image on the page. There are also five buttons which selects the position of the image on the page as well. These are Center, upper left, upper right, lower left and lower right.



2.5.4 Stamp

The stamp button allows configuration of watermarks, stamps or overlays of images. Either or both text and graphics can be utilized.





2.5.4.1 Stamp Schemes-

Custom Stamp settings are saved as schemes which can be used. All "stamps" are to be saved prior to their use.



2.5.4.2 Use Text

This allows the user to place text in their stamp.



2.5.4.3 Use Image

This allows the user to place an image in their stamp.

2.5.4.4 Current Font Area

This details the settings for the current text. Click SET FONT to change the settings.

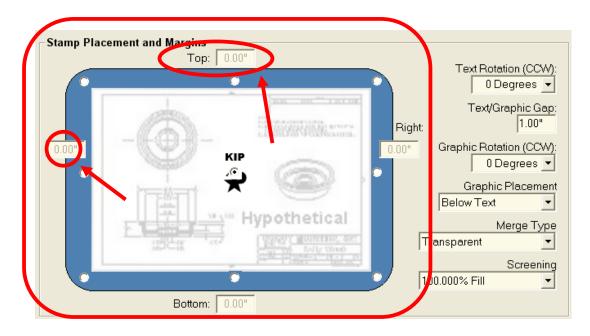


2.5.4.5 Set Font

This allows the selection of the font size and type. This feature uses the standard Windows font set and sizes.

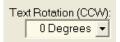
2.5.4.6 Stamp Placement And Margin Area

This allows placement of the stamp in **9** preset locations. Then margins can be applied to move the image up to 5" from the selected border.



2.5.4.7 Text Rotation – Pull down

Allows the user to rotate (counter clockwise) the text portion of their stamp in 45° increments. User may also click on the "KIP" in the Stamp Placement area to cycle through the Text Rotation options.



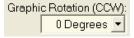
2.5.4.8 Text / Graphic Gap - Text Field

This applies a separation of up to 5" between the Text and Graphic stamps.



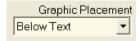
2.5.4.9 Graphic Rotation – Pull down

Allows the user to rotate (counter clockwise) the graphic portion of their stamp in 45° increments. User may also click on the "Logo" in the Stamp Placement area to cycle through the Graphic Rotation options.



2.5.4.10 Graphic Placement - Pull down

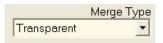
Determines the placement of the graphic in relation to the applied text. This is ignored if text is not applied.



2.5.4.11 Merge Type – Pull down

A. Opaque

This option displays the stamp on top of the image. The background of the stamp is white and will obscure some image.



B. Transparent

This option overlays the stamp on top of the image. The background of the stamp is transparent.

C. Invert

This option displays the stamp on top of the image. Colors are inverted where the data intersects

2.5.4.12 Screening – Pull down

This allows the user to define the screen level (shading) of the stamp using pre-set screening percentages.



2.5.4.13 Text Settings Area

Enter the text of the stamp. Add a Macro within the text if desired.



2.5.4.14 Macro – Pull down Menu

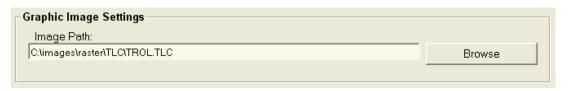
Choose a macro from the list to apply information at print time, such as Requester name, time of day, etc.

2.5.4.15 Graphic Image Settings Area

This displays the path to your selected graphic image. The path is relative to the user's workstation.

NOTE:

- 1) The image file must also reside on the KIP IPS, it may be pushed to the IPS from the workstation.
- 2) Or you may apply the stamp to document with a file label called "Savestamp.tif". It will then automatically be copied from the workstation to the KIP IPS.



2.5.4.16 Preview Stamp

Click to see the configured Stamp settings in the viewer. Use CRTL+TAB to cycle through text and image.



2.5.5 Fold

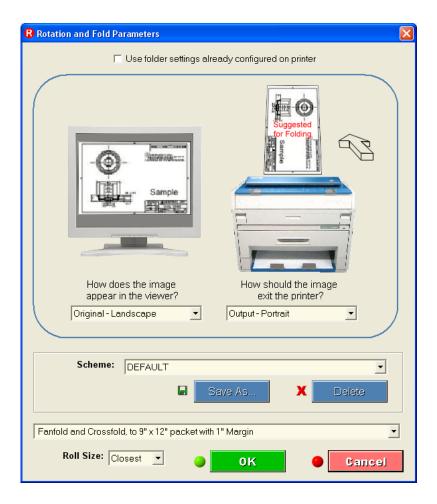
Request allows the users to create Fold and Rotate schemes. These folding features can be used with the KIPFold folding systems. The Request program reads settings from the printer (presets.ini file in the LOGDIR folder) and displays the folding choices in a dropdown menu.



Folding can be accomplished with two methods:

- Allow the printer to determine the rotation and pattern
- Override the printer settings to have rotation and patterns set in the Request.

The choice between the two methods depends on the installation environment. That is if a small number of document sizes are to be folded with a standard set for width, length and orientation it is simplest to have the printer control the folding (requires setup by qualified technician) If the documents can vary with orientation, then folding must be configured in request and printed / folded in this manner. You can also override method A with B at any time for greater flexibility.



(Method A)

2.5.5.1 Use Folder Settings...on Printer

Use this button to enable the printer to determine the orientation and fold pattern.

☐ Use folder settings already configured on printer

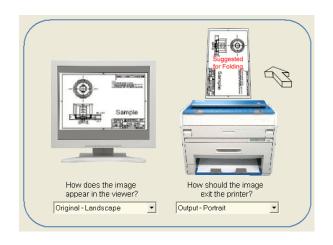
(Method B)

2.5.5.2 Orientation

This allows the user to select the file orientation and output orientation of the fold. The output is important due to the fact that folders require the title block in a particular corner. This is dependent on the model of folder.

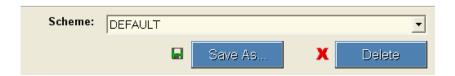
Left Side is for the file

Right Side for Output



2.5.5.3 Scheme

Once a satisfactory setting is achieved, it can be saved as a scheme for actual use. Schemes not required can be removed as well.



2.5.5.4 Fold Patterns (available)

The Request program reads settings on the printer (presets.ini file in the LOGDIR folder) and displays the folding patterns available in a dropdown menu. These pattern types are configurable by the technician.

2.5.5.5 Roll Size

Allows roll selection to be automatic (closet) or precise (exact). Please note that some images may need to be exact or the correct fold pattern will not be attained. If Exact is chosen then the media width of the file must also be installed in the printer.

2.5.5.6 Matrix Folding

KIP Request also incorporates Matrix Folding. Users can select different folding schemes for individual documents within a set. (see 2.3.5)

2.5.6 Header Label

A header can be placed on the top or bottom of each print. This can allow for easy document identification of the prints. Information from the Key Job Settings (Requester and Job Number) are included as well as the file name, date and time of printing





2.5.7 Mirror

Mirror the image on the print.



2.5.8 Invert

Inverts the image on the print(s). (makes black area white and a white area black)



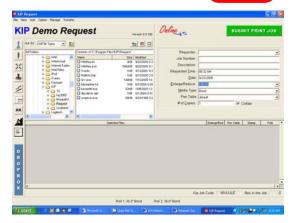
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2.5.9 Quick View

Click on this button to display a viewer in the bottom right of the main Screen Click again to remove the viewer. (click on a file , then click inside viewer box to see the image.)







2.5.10 Manage

Press this button to manage the print queue. Password required.



2.6 Printer Selection

The label or name of the printer can be used to send jobs to multiple KIP printers on the network if so configured. Click on the name to select the printer to send the job to. Printer status will also be displayed in the lower area of the main screen (see Printer information 2.7).



2.7 Printer Information

Roll status, cover or door opened, toner requirement, misfeeds, and other selected printer status' are displayed in the lower center of the main screen.

Roll 1: 24.0" Bond Roll 2: 36.0" Bond

2.8 Menu

Like most other Windows based application a menu is located at the upper left of the main screen. This allows for "menu text" based configurations and settings. Most functions are discussed in other sections of the guide.



2.8.1 File

2.8.1.1 **Submit Job**

Submits a job after files selected

2.8.1.2 Exit

Exits Request software

2.8.2 View

2.8.2.1 Refresh

This updates the directory and file information in the main screen.

2.8.2.2 Quick view

Allows a view of the selected image with grayscales (see Quick View 2.5.8) There are no panning or enlarge view tools in this viewer.

2.8.2.3 View thumbnail

This allows a thumbnail view of a selected image in the lower right corner of the main screen.

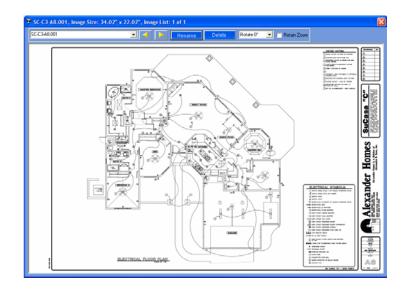
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2.8.2.4 View selected image

This allows the customer to view any accepted raster or vector file that is highlighted. (NOTE: .CGM files are not viewable from this feature.) This viewer allows panning and other viewing tools.

Notes:

Zoom into areas of by holding down the right mouse button and drawing a zoom area to be seen in red.
Click on any area to zoom back out



2.8.2.5 View all tagged images

Opens all tagged files in the viewer noted. Use the "arrows" to view the next document or the dropdown to view the selected document.

2.8.2.6 Convert all tagged to...

This will convert the selected file(s) to any of the accepted raster formats. (TIFF Group 4, CALS Group 4, .PCX, .TLC, .CIT or .PDF) You will also be prompted as to the placement of the files once converted.

2.8.3 Sort

This menu is the same as File Order in 2.3.6. Please see this section for details.

2.8.4 Option

2.8.4.1 Save Current Job

This allows the user to save the job file list and the applied settings. The complete name (including path information) can use up to 256 characters (Does not save the files, only the file settings).

2.8.4.2 Recall Saved Job

Allows the customer to recall and reprint a job that has been previously saved.

2.8.4.3 Recall Recent Job

Request saves the job information for the last 15 Requested jobs. RECALL RECENT JOB allows the user to recall one of these jobs.



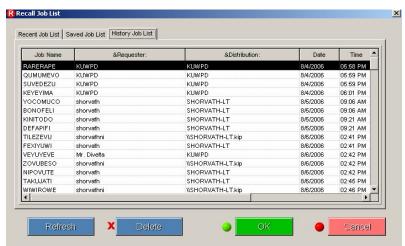
2.8.4.4 Recall History Jobs

Job History can be used to call up and print jobs that were previously printed. By selecting a job from the Job History list, the job can be changed and resubmitted for printing.

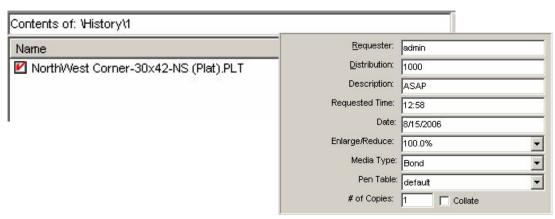
 With Request open go to Option and select "Recall History Jobs"



2. The following window will open up



3. From this list of jobs that are saved in the History list choose the desired job to reprint. The chosen job will be loaded into the selected job area and all prior settings will also be loaded.



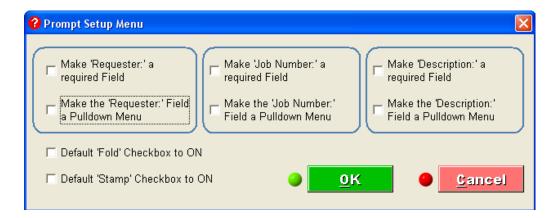
- 4. At this point the selected job can be sent to the printer to be reprinted or files can be added to it creating a new job. Additional settings may also be applied and or changed.
- 5. The new job with all of its settings will be added to the Job History folder for latter use.

2.8.4.5 Modify Pens (Plot file setup)

Allows the user to apply and modify the settings of vector plot files. Users can override files' pen table and screening information. Plot File Setup also lets the user apply borders, modify halftone settings, dither patterns, and more. Please see 2.5. and 2.5.2 for greater details

2.8.4.6 Prompt Setup

Prompt Setup lets the Administrator define mandatory settings before a job can be submitted.



Making Fields Required

When a field is required, the user must enter data before the job will be submitted.

Making Pull-Down Menus

When checked, the user must choose from an established list of field entries. Normally, users cannot add a pull down entry without knowing the Request Master Password. Each pull down entry can also be password protected, so only the specific users can select specific entries.

Default 'Fold' ON

Checking this box will apply Folding feature as soon as Request is opened.

Default Stamp ON

Checking this box will apply Stamping feature as soon as Request is opened.

2.8.4.7 Advanced

Advanced features can be turned 'On' or 'Off' by clicking on this function.

Features are:

- 1. Selecting the same file multiple times from within in the same folder.
- 2. Enlarge/Reduce on a per file basis.
- 3. Manual image placement.
- 4. Load/Save compressed jobs.

2.8.4.8 Find KIP Printers

This menu allows users to attach to KIP Printers or add a new KIP Printer. **FIND KIP PRINTERS** will automatically search for shared KIP Printers installed, and will add them to the list of available printers. Simply check the box next to the printers to which you would like to submit prints. Click OK to finish.



Add a Printer

There are two methods to adding a printer to the list, by IP address or IPS name. We recommend IP address only for the KIP 5000. Please contact the Network Administrator for the IP address of your KIP 5000.

Details of the settings / configuration are noted in Section 5 - Request Installation.



2.8.5 Manage

View the Print Queue

From the MANAGE Menu, users can VIEW THE SELECTED PRINTER'S QUEUE. This option will display the contents of the Printer Queue. Users will be able to see the main IPS screen, but will not be able to manipulate it in any way.

Manage the Print Queue

Users can also MANAGE THE KIP PRINT QUEUE if they know the Request Master Password.

NOTE: A user who can MANAGE the queue is able to manipulate the system!

Push File to IPS

This has been incorporated for ease of use for making file updates to the KIP internal controller. This feature works with IP based printers only. Upon clicking this feature, the user is prompted with an explorer window to choose and pick a file meant to be placed on the KIP controller. For example, if the user was making an update to the IPS software with a new executable, one would select the file at the 'Requester' workstation. Upon selecting and clicking ok, the new executable would be copied into 'C:\Monpath1\Installers on the KIP IPS. An administrator would then use the management capability of Request to open up the print queue. Upon opening Windows explorer on the KIP IPS, the administrator could browse to the C:\Monpath1\Installers folder and perform the required upgrade. This function has mainly been established for ease of use by any administrator to make software upgrades.

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2.8.6 Transfer

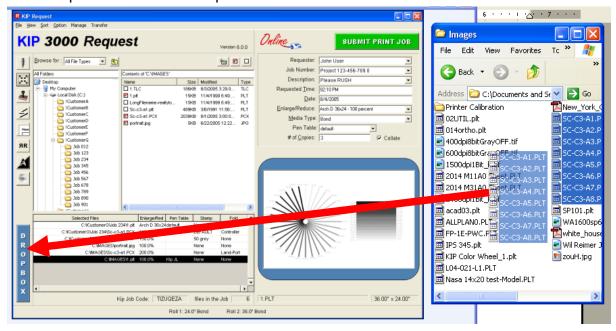
See Section 3.0 for Scan Retrieval / Deletion . Upload Settings is a network administrator function. See Admin Service Function)



2.9 DropBox

The DropBox can be used to select files rather than use the Folder Select (2.1) and File Select (2.2). This region allows "Drag and drop" functionality.

- 1) Use Windows Explorer to locate the printable files (or other file viewing utility).
- 2) Select the files using Windows conventions and then drag them with the mouse and drop the files into the DropBox.



3) The files selected will now appear in the Job List region.

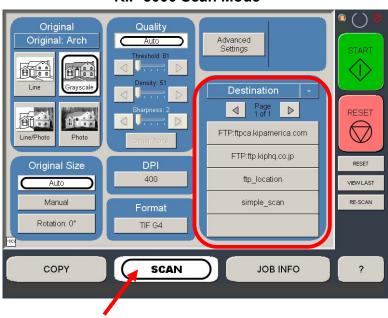
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3. 0 Retrieve Scans

3.1 Mailbox Retrieval

Documents scanned on the KIP 5000 can be retrieved with the KIP Request software. These are documents scanned into mailboxes on the IPS.

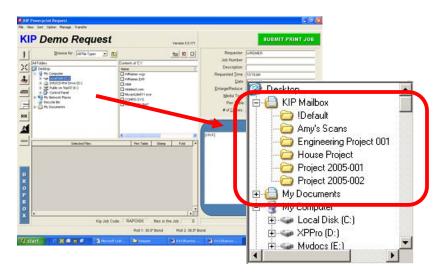
The mailboxes can be created and selected in the KIP 5000 Scan Mode. Please see the Scan Section for greater detail on the use.



KIP 5000 Scan Mode

To retrieve documents that are scanned into a mailbox use Request in the following manner:

 Use the Folder selection area to browse to <u>KIP Mail Box</u> located under "Desktop" (on the local drive)



2) Click on KIP Mailbox and listed are all the KIP 5000 Mail boxes on the KIP 5000 IPS.

Note: FTP locations are not shown here, only IPS mailboxes!

- 3) Click on the mailbox (folder) that contains the scanned images that are required.
- All Folders Right Click with the mouse to "Transfer Current Scan Directory" Public on 'Kip03' (K:)
 Control Panel 🛨 🎑 My Network Places 🧾 Recycle Bin 🖃 倡 My Documents 🕀 🧰 Images 1/ t Transfer Current Scan Directory... Dob Job Delete Current Scan Directory. 🥐 KIP Upload settings to printer ± 🦍 KIP F
- A screen will appear to allow the Mailbox directory to copy scanned files to local drives or networked storage locations.



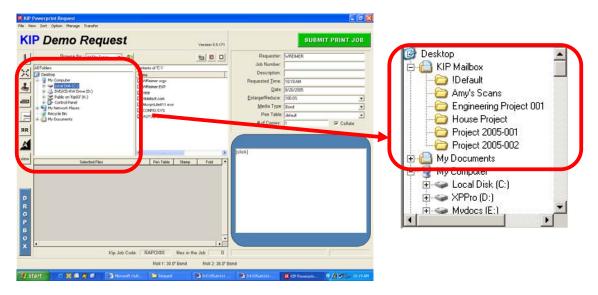
🖽 🛗 My Music

- 6) After you have copied the files it will ask if you wish to delete the folder on the IPS. This can be performed at this time if so desired.
- 7) After the folder with the scanned images has been copied other tasks can be performed with KIP applications and other third party applications:
 - a) Database the images
 - b) Image editing
 - c) KIP Request
 - d) Any other image tools applications

3.2 Mailbox File Deletion

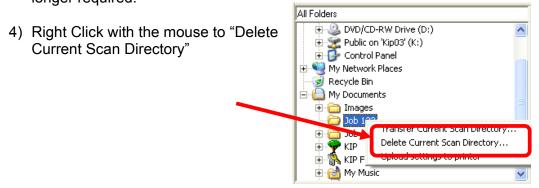
To remove a file from within a Mail box, use KIP Request in the following manner:

1) Use the Folder selection area to browse to KIP Mailbox on the local drive



2) Click on KIP Mailbox and the list of ALL the KIP 5000 Mail boxes on the KIP 5000 IPS will become visible.

3) Click on the mailbox (folder) that contains the scanned images that are no longer required.



5) A "Delete Folder" confirmation screen will appear to confirm the command. This will remove all of the files within the folder and leave the folder on the system.

ONCE DELETED, FILES ARE PERMANENTLY REMOVED!

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4. 0 KIP 5000 Copier Configurations

Please see the "Administrator/Service Functions of the KIP 5000" document to add and control these features or functions!

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5. 0 Request Installation

5.1 Installation

Two methods are available to install the KIP Request software on a Windows workstation.

- Use an installed and configured KIP Windows Driver to gain access to the KIP Request Installer.
- 2) Use the KIP Installation CD provided with the KIP 5000 (Installation software should also be located on your local KIP companies web site if this CD is not available, Please ensure Installer version is correct for your KIP 5000 system!)

5.1.1 Requirements

Workstation operation systems can be:

Windows 2000

Windows XP

Administrator access is also required to install the software.

5.1.2 Windows Driver Access

- Click on "Start", then "Printers and Fax", and locate the KIP Windows print
 Driver in the list of installed printers. If you do not see a KIP printer you should
 now use the CD Installation.
- 2) Right click on the driver and select "Properties".
- 3) On the "Device Settings" tab will be an "INSTALL KIP REQUEST" Button.
- 4) Double click on the button and follow the prompts. Please accept the default settings for easy of configuration.

5.1.3 CD Installation

- 1) Locate the KIP Software CD and place in disk drive.
- 2) Browse CD for INSTALLATION and KIP Request.
- 3) Follow the prompts and select all defaults settings for easy of configuration.

5.1.4 First Time Run

After the software installation is complete, the application can be run from the Desktop (icon shown) or from the "Start," then "All Programs," then "KIP Programs," KIP Request . It may take several minutes for the first time launch as it attempts to find configured KIP devices. (see 5.2 Connection to KIP Printers)



5.1.4.1 Master Password

Upon starting Request for the first time it will ask for a MASTER PASSWORD. This password allows access to the Prompt Settings (accounting) configurations. This password will be used by the department manager or network administrator. Please key in a password noting that it will be required in the future. Once set the password can not be changed.

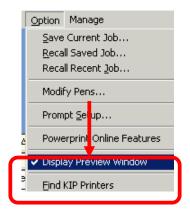
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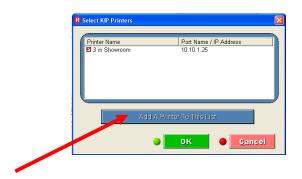
5.2 Connection to KIP Printers

Once the application is installed and run for the first time, it is time to connect to a KIP device. Please ensure that the KIP printer is plugged in and turned on, and the address IP settings configured (see Section 11 Connectivity).

5.2.3 Find KIP Printers

Using the upper menu, select "Option" and then "Find KIP Printers".



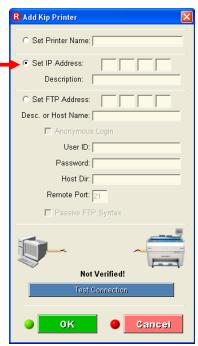


- 1) From the FIND KIP PRINTERS window, click ADD A PRINTER TO THIS LIST.
- Select SET IP ADDRESS and enter the IP Address of the KIP IPS.
- 3) In the "Description" field, key in a friendly Printer Name that the User can recognize (model number such as "5000").
- 4) TEST the connection.



Note: If the IP address is invalid, the following message is seen.





- 5) Click OK to return to the SELECT PRINTERS screen and ensure that the printer is selected with a check mark.
- 6) Click OK again to return to Request Screen.
- 7) The roll information should now be seen in the lower main screen as well to confirm connection.

5.3 Other Installation Considerations

5.3.1 Prompt Setup

If Accounting is desired please see 2.8.4.5 in this section of the User guide. This also requires that the MASTER PASSWORD be configured.

5.3.2 Pen Tables

- 1) Pen widths and pages sizing are usually part of today's plot files. If older languages are used please ensure that a pen table is created for the installation requirements. Please see 2.5.1 in this section of the User Guide.
- 2) Raster and Hybrid files are quite common. Please see the "Advanced" button under "Pen Table" for any customization required. Please see 2.5.2 in this section of the User Guide. The final result on the print may be your best guide when establishing desired settings.

5.3.3 Advanced Configuration and Settings

The KIP Request Application is customizable. For advanced customizations please see the Appendix 6.0 - INI Configuration. Please note that any syntax errors in the INI will cause issue with KIP Request. Modification of the INI is to be performed with great caution.

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6. 0 Appendix

6.1 Folding - Technical description

Fold parameters are assigned similar to Stamp (.STP) files and Pen Table (.PEN) files as explained in the KIP Job Ticket Integration Information. In the job ticket folder, there is a job sub-folder containing text files that refer to the .STP, .PEN files for stamping and pen tables, there is now a new file referred to as a .FLD file that contains fold parameters.

In Stamping a particular image, the job sub-folder must contain files such as 0000.SSP which contains the name of the .STP file associated with stamping the first image in the job. The content of the .SSP file is actually the name of the .STP file (also in the job sub-folder) to be used by the Unattend program in stamping a particular image. Subsequent images are stamped by using 0001.SSP, 0002.SSP to stamp image number 2 and 3 in the job. The numbering refers to the order of the documents in the .KIP ASCII Job Ticket. This method is duplicated for setting a fold parameter to work with image number 1, using 0000.FLP, then image 2 using 0001.FLD etc.

Action	Actual File	Reference File:
Stamp	.STP, default.stp, not for construction.stp, etc.	0000.SSP, 0001.SSP, 0002. SSP containing a .STP filename to apply to document 1, 2, 3 as listed in .KIP ASCII Job Ticket.
Pen Table	.PEN, default.pen, etc.	0000.PPN, 0001.PPN, 0002.PPN referring to .PEN filename to apply to document 1, 2, 3 as listed in .KIP ASCII Job Ticket
Fold	.FLD, default.fld, 36x24.fld, etc.	0000.FLP, 0001. FLP, 0002. FLP referring to .FLD filename to apply to document 1, 2, 3 as listed in .KIP ASCII Job Ticket

.FLD File Contents (sample)

[KipFolderSettings Ver. 1.0] FolderOriginalOrientation=0 FolderOutputOrientation=1 FolderRollSize=0 FolderPreset=2

Definitions of the .FLD FolderOriginalOrientation

Defined as landscape =0, portrait=1, reverse landscape=2, reverse portrait=3. The PPT Unattend uses this information combined with "FolderOutputOrientation" to calculate a final rotation parameter used in creation of the TIF Pack bit file before printing. Note: When using the KIP Folder all images must print in Portrait mode with title block exiting the printer last in order to fold properly and finish with the title block showing.

FolderOutputOrientation

Defined as landscape =0, portrait=1, reverse landscape=2, reverse portrait=3. The PPT Unattend uses this information combined with "FolderOriginalOrientation" to calculate a final rotation parameter used in creation of the TIF Pack bit file before printing. Note: When using the KIP Folder all images must print in Portrait mode with title block exiting the printer last in order to fold properly and finish with the title block showing.

FolderRollSize

This is used to lock printing to a specific roll size used in folding this document. Valid values are 0=36" roll, 1=34", 2=30", 3=24", 4=22", 5=18", 6=17", 7=12", 8=11", 9=8.5" or the word "Closest". If using a value 0-9, the controller will prompt the user for this media size before continuing to print. This will stop the printer and other jobs from printing until the user inserts this size of media. If "Closest" is used, the Controller will use the media that fits the image the best after applying the rotation specified. Note: If using Force Size feature of the Job Ticket you must also use the same Roll Size for Force Size in FolderRollSize of the .FLD file.

FolderPreset=2

This refers to the preset in the Kipfoldpreset.ini. The settings defining packet size, margin, and fan and cross fold settings are set in the kipfoldpreset.ini by the technician at the controller. As a feature of Request 5 SR3, user can display the names of these settings in the new Rotate / Fold menus. The Request obtains a copy of the kipfoldpreset.ini from the current Log Directory (Log Directory as set in Unattend, Configuration, Miscellaneous Setup) named "presets.ini".

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6.2 INI Configuration

Custom Settings Fields in the

Request Configuration Settings File: Winreq.ini

[Location: C:\PROGRAM FILES\WINDOWS REQUEST\WINREQ.INI]

[GENERAL]

MultipleRequests=(True, False or Clear, Default=Clear)

Using 'Clear', clears any previous entries from 'Requester', 'Job number' and 'description' fields each time *Request* software is closed and re-started. Using False Closes the app. after each submission.

LocalRequest=(0, 1, Default =0)

'0' is 'false' and '1' is true.

'LocalRequest=1' is used when the Request app is run on the IPS.

Set to 0 for failsafe operation

SelectMultiple=(0, 1, Default =1)

'1' – allows users to add the same name file up to 9 times in the same job.

SaveRequest=(0, 1, Default =1)

'1' - Job submitted using Request are saved in 'Recall folder'

'0' - no jobs are saved in recall folder.

PrintView=(0, 1, Default =1)

Printview is used to view the output on the screen as before submitting it to the printer. This is different than right clicking on the file and using 'view selected image' as Printview uses information from 'stamp', 'rotate', 'invert' and 'mirror' selection before making an output for viewing.

'1' - Allows use of printview capability

'0' - Displays the file but does not use the fields as described above.

DisplayPreviewWindow=(0, 1, Default =1)

'1' - preview window is available for looking at images before submission

'0' - removes the preview window from requester screen

OnlineFeatures=(0, 1, Default =1)

'1' - allows usage of advanced features.

'0' - disables usage of advanced features.

UnifiedAccounting=(0, 1, Default =0)

'1' - allows usage of unified accounting.

'0' - disables usage of unified accounting.

PreviousSort=2

Reads and displays information about how files were sorted inside Requester window. Files can be sorted by their names (ascending, descending), by size or by modified date. The value here is used for troubleshooting purposes.

FileType=8

This displays how many entries that are available under 'Browse for' section inside Request software. For diagnostic purposes only.

StatusDelay=30

Sets time in seconds that Request software will wait to read status information (roll information, error condition) from the printer.

PenDir=C:\Program Files\Windows Request\Pens\

Records and displays location of the 'Pen table' being used for printing.

LastPen=default.Pen

Records and displays the last pen used for file submission

LastDir=C:\IMAGES

Records and displays the last folder where the files were printed from.

DefaultRequester=%UserName

Shown here using an environment variable called UserName. You may also enter information after the "=" that will be displayed in the REQUESTER field each time the Software is started. Up to 30 characters may be used.

DefaultDistribution=%Distribution

Shown here using an environment variable called Distribution. You may also enter information after the "=" that will be displayed in the DISTRIBUTION field each time the Software is started. Up to 30 characters may be used.

DefaultDescription=%Description

Shown here using an environment variable called Description. You may also enter information after the "=" that will be displayed in the DESCRIPTION field each time the Software is started. Up to 30 characters may be used.

Prompt=Distribution

This line allows the user to customize the Distribution field name.

RequesterPrompt=Requester

This line allows the user to customize the Requester field name.

TextSize=0.10"

A KIP text header will be applied to raw files dropped into a monitor path. This value determines the size of the header, in inches.

TextPos=0

A KIP text header will be applied to raw files dropped into a monitor path. This value determines whether the header appears on the Leading Edge (0), or Trailing Edge (1).

The next section contains the paths to the internal programs that Unattend uses to detect, convert, merge, and move files. If the required programs are not in these default locations, a Runtime Error 53 (File Not Found) will occur.

ExportExe=C:\PROGRAMS\DS\MTP.EXE

ViewExe=C:\Programs\ultrav.exe

RemoteControlExe=C:\Programs\vncviewer.exe

Raster2TIc=C:\Programs\DS\MTF.Exe Vector2TIc=C:\Programs\DS\MH2.Exe CropExe=C:\Programs\Cropexe.Exe TIcMergeExe=C:\Programs\DS\MI.exe

TiffViewer=

AutoRecognize=c:\programs\DS\MAD.exe PowerScriptExe=c:\programs\DS\pscript.exe

KipPortExe=C:\Programs\KawPDFT.Exe

RecallDir=C:\Programs\Recall

TempDir=C:\Programs\TR

MiniSize=1000,720

Units=ENGLISH (English or Metric units)

AddHpglCmd=

Values are software switches, used to apply custom commands to HPGL/2 files. This line may contain one switch, multiple switches, or none. Some switches are specific to certain versions; some are specific to certain printer models. Switches are case-sensitive. Some switches have a value after the switch, separated by a space. Multiple switches are separated by a space. You may see some of the following:

- -D 300 Forces raster images to 300 DPI, to compensate for raster images looking 'squished' or out of place on some files created with HP drivers.
- -G Affects grayscale level of embedded raster images. This feature is now built into the Request Pen Table. Value (1-100)
- -Y KIP 8000-specific.
- -Z KIP 8000-specific.

An example of how multiple switches might appear in the line: AddHpglCmd=-D 300 –G 50

DebugVal=999

Used for diagnostic purposes only.

MP= \hat{a}' \hat{b} $\| \cdot \hat{a}f, -...000000$

The encrypted master password as set by the installer

ST=00

Request

This next section (MultiplePrinters) should not be configured outside of the GUI of Request

[MultiplePrinters]

RequestDir0=c:\monpath1\request StatusDir0=C:\monpath1\logdir MachineTvpe0=5000

KIP IPS has at least one "Monitor Path", usually on its own c:\ drive. The KIP IPS can monitor up to 20 different paths.

Prior to the port based printing (5), this was the method for setting up multiple printers for the requester. It allows the user to set the paths for the Request software's communicate directly with the Unattend software. This can either be drive letter mapping, or UNC naming.

The Requestdir should match the drive and directory set on the Controller in the Unattend, Configuration, Set Monitor Paths, Request Monitor Path. The Request software will create a subdirectory here for each request and place all the relevant files for the print job in that unique directory.

The Statusdir should match the drive and directory set on the controller in the Unattend, Configuration, Miscellaneous, Log Directory. The Request software will look to this directory for the updated paper and error information created by the Unattend software at the Controller. The Log directory is read each time the KIP Icon / title bar on the Request menu is selected with the mouse.

The Machinetype allows the user to set a name for their printer. It does not have to match the actual printer they own. For instance the user could give the printer a personal name like "BOB". This would be displayed on the KIP icon/title bar.

Additional KIP Printers.

Users may create additional groups of printers to select from directly underneath the current paths. For example:

[MultiplePrinters]

RequestDir0=C:\Monpath1\Request
StatusDir0=C:\Monpath1\LogDir
MachineType0=6000
RequestDir1=F:\abc\Request
StatusDir1=F:\abc\LogDir
MachineType1=5000 UL
RequestDir2=\\40Server\8000\Request
StatusDir2=\\40Sever\8000\LogDir
MachineType2=8000

In the Request software users can change from one printer to the next by selecting the KIP icon / title bar at the top of the Request interface. This will switch from one printer to the next and update the roll information at the bottom of the Request interface.

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```
[KipPortPrinters]
```

PrinterName1=~KIP 5000

```
[ConvertTypes]
```

Type0=Group4 TIF R

Type1=Group4 CAL R

Type2=ZSoft PCX R

Type3=HPGL PLT V

Type4=KIP TLC R

Type5=Group4 GP4 R

Type6=Postscript PS V

Type7=Postscript EPS V

Type8=Adobe PDF V

Type9=JPEG JPG R

Type10=Unknown 0?? V

Type11=Intergraph CIT R

Type12=ASCII xxx A

(NOTE: Type 10, where 0?? Is located, represents all files that begin in 0 that are valid

Vector files. For example Microstation I-Plot files with .000 extensions.)

(NOTE: Type12. In an actual .ini file, the actual file extension would be entered. For example: Type12=ASCII INI A; Type13=ASCII DAT A; Type14=ASCII LOG A, etc.)

[PaperTypes]

Additional media types can be added but they must also be

Paper0=Bond added into the IPS INI

Paper1=Vellum

Paper2=Film

Paper3=OnHold

[PullDownDistribution]

ðli li •àf,,—…"þ $^{\text{m}}$ †Šli î %li ÿûýÛÝ>šŽŒœà'Þli •àf..— ...~p™†ŠI ^I ‰I ÿûýÛÝ>šŽŒœ

[PullDownRequester]

[PullDownDescription]

"Ôl Õ•àƒ"—…~þ™†Šl îl ‰l ÿûýÛÝ›šŽŒœà'Þl •àƒ"— ...~þ™†ŠĪ ^Ī ‰Ī ÿûýÛÝ›šŽŒœ

[OutputTypes]

Type0=TLC Tiled Format -t

Type1=CAL CALS Group 4 -C

Type2=TIF TIFF Group 4 -T

Type3=PCX Monochrome -C

Type4=CIT Intergraph -G

Type5=PDF Adobe -g

6.3 Creating Productivity Reports

The KIP Productivity Reporting Package (PRP) is designed to use information gathered from accounting fields in KIP Request along with various applications that have been linked to KIP Request such as:

- KIP Request
- AutoCAD
- KIP 5000 Software
- KIP PrintNet
- KIP Copymaker (for KIP 2000 series scanners)

By sharing accounting data generated from KIP Request, users have the ability to link multiple applications using the same accounting rules. This system allows managers to generate reports that have valuable accounting information and can be manipulated by the user to get the desired output including the following:

- KIP productivity reporting package generates reports of meter readings and accounting data on a daily, weekly or monthly time cycle.
- Reports include detailed authorization, accounting and meter information.
- PRP reports can be opened with Notepad or exported as an ASCII file format.

There are three main accounting fields in the Request software:

Request

- 1. **Requester** This is a field which can be used for accounting. Information entered is applied to the KIP Job and Print Logs.
- Job Number This is a field which can be used for accounting. Information entered is applied to the KIP Job and Print Logs. This field is tied to ALL Reports!
- 3. **Description** This is a field which can be used for accounting. Information entered is applied to the KIP Job and Print Logs.

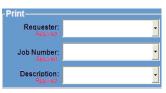


When these fields are set up correctly and have been configured as "required" in the Request software, the "rules" will carry over to the other applications.

AutoCAD



Copymaker



KIP 5000 User Log on Screen



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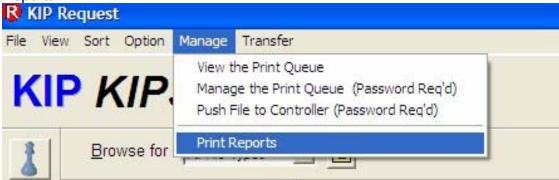
PrintNet

Accounting fields entered into the Request software installed on the Web server host pc being utilized by KIP PrintNet will also be transferred to users accessing PrintNet via the intranet or internet.

Productivity reports can be generated from Request 6.0 and can be very helpful in keeping track of accounting data. These can be generated on a daily, weekly, monthly or custom time frame.

The Productivity reports can be accessed by doing the following:

1. On the Request main screen select "Manage" from the menu bar and then select "Print Reports"



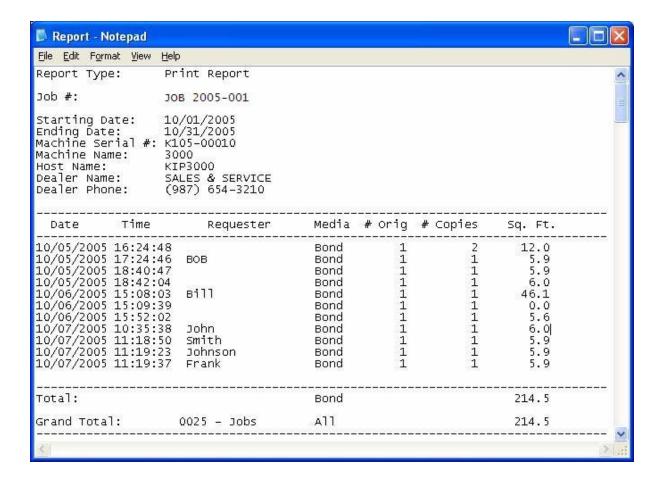
- 2. The Following window will appear. This is where the currently selected printer information will be displayed. There are three different types of reports that can be generated from this screen:
- 1. Printing
- 2. Scanning
- 3. Meter Reading

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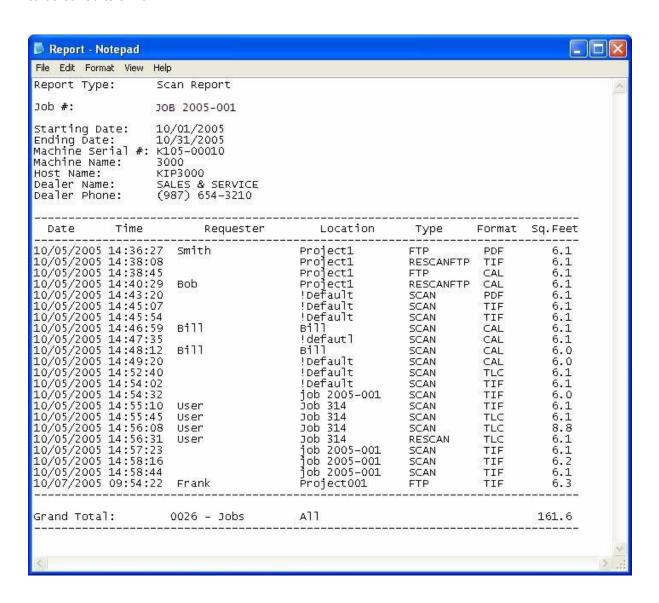
1. Printing

This report will include both prints and copies that have been sent to the 5000 print engine. The report will include Date, Time, Requester, Media, # of originals, # of Copies and Sq. Feet. The information for Requester and Job Number shown below are gathered from all KIP printing applications. The user can select the Start Date and the End Date of the report along with where to print the report. The report can be sent directly to the default printer attached to the PC generating the report or to the Notepad to be saved to a file.



2. Scanning

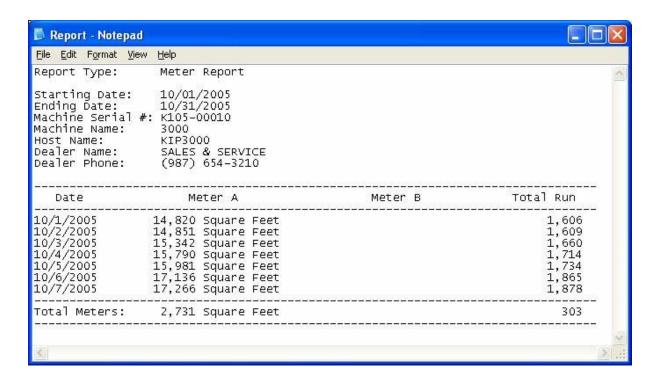
This report will include all files that have been scanned to file using the Scan Mode of the 5000 UI. The report will include Date, Time, Requester, Location, Type, Format and Sq. Feet. The information for Requester shown below is gathered from all KIP printing applications. The user can select the Start Date and the End Date of the report along with what to do with this data. The report can be sent directly to the default printer attached to the PC generating the report or to the Notepad to be saved to a file.



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3. Meter Reading

This report will include daily Meter readings from the desired dates set in the Start Date and End Date. The report will include Date, Meter A, Meter B and Total run. This meter reading should closely match the actual meter reading on the KIP 5000 printer. The user can select the Start Date and the End Date of the report along with what to do with this data. The report can be sent directly to the default printer attached to the PC generating the report or to the Notepad to be saved to a file.



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6.4 Printing DWF files

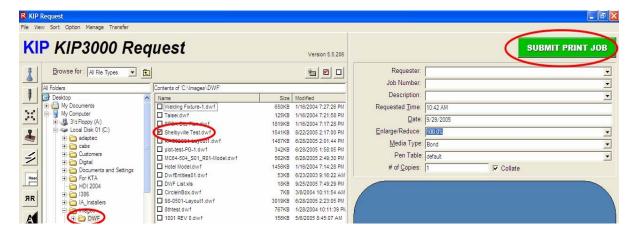
DWF (Design Web Format[™]) files offer a simple, secure way to share design data from AutoDesk. Developed specifically for engineering design data, the DWF format is the best way to share 2D and 3D design information, because the file size is smaller and faster to transmit than either native design file formats or other alternatives. DWF files are print ready and maintain absolute data fidelity.

How are DWF's created?

- If you're using AutoCAD, Autodesk Inventor, or other Autodesk applications, you can create DWF files directly from the built-in "Publish" command within the application.
- DWF files can also be created from any application using the Autodesk DWF Writer that ships with Autodesk DWF Composer. Autodesk DWF Writer software enables you to publish to DWF format from CAD applications that do not offer built-in DWF publishing, such as Bentley Microstation or Dassault's Solidworks software. Autodesk DWF Writer is a certified Microsoft Windows system printer driver that enables you to quickly and easily convert files to DWF format.
- If you're NOT using AutoCAD, Autodesk Inventor, or other Autodesk applications, the Autodesk DWG Viewer component that ships with DWF Composer allows for the full publishing capabilities that are in AutoCAD 2006. This includes the ability to batch convert DWG files to DWF. Users simply need to add DWG files in the Publish menu before Publishing the sheet set to a single DWF file

NOTE: Some DWF files created prior to 2004 may not be compatible.

KIP Request handles printing .DWF files directly to the printer. This is done by selecting a .dwf file from a desired location and clicking on "Submit Print Job".



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After clicking on "Submit Print Job", a DWF settings window will appear. This will allow the user to:

- a) Print all pages in a multi-page .dwf file or only the desired pages.
- b) Select to Print Colors in Black to change all of the lines / areas to print solid black and not gray.
- c) Choose "Reverse Print Order"
- d) Enter a password if the DWF files was created with password protection.



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Section 7

KIP PrintNET

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1.0 Preview / Main Screen

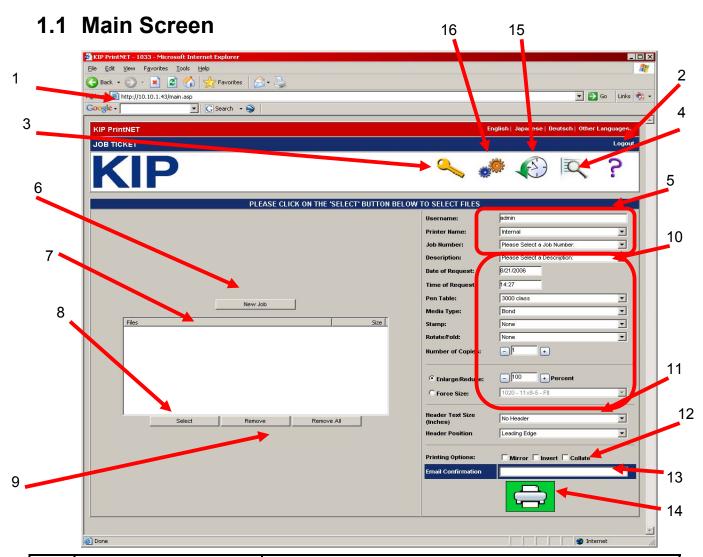
KIP PrintNET is a basic web-enabled version of KIP Request for use in company intranets or the global internet. This allows job submissions to the KIP printer without installation of the KIP Request application on the PC. Users require a PC with high-speed Internet or intranet connection and a web browser. The KIP PrintNET submission tool can be used with a number of java script enabled web browsers:

Windows Internet Explorer, Netscape Navigator, MAC Safari, Mozilla Firefox, Opera

This section of the user guide provides information about using the submission tool including its features and functionality. It demonstrates the use of Windows Internet Explorer, although other web browsers may have similar functions.

For installation, technical details and administrative procedures please refer to the chapters of *Installation, Setup and Configurations* near the end of this section. Please note that a host PC is required for the use of KIP PrintNET. The Appendix displays a few screen shots of web browsers and components required for correct and complete operation of KIP PrintNET. Certain web browsers (primarily Internet Explorer) require the use of ActiveX controls.

Please note that KIP PrintNET does not have all the advanced features as the KIP Request application and KIP request must be installed in the Host PC prior to installing KIP PrintNET.



No.	Name	Function
1	Host Address	Type in the URL of the Server / PC that hosts KIP PrintNET (password protected)
2	Logout	Logout from the KIP PrintNET session
3	Admin Setup	Administrative feature setup if logged on as administrator
4	Queue Management	Manages the job queue on the printer.
5	Accounting Region	Selection for Name of Operator, Printer type, Project number, Time and Date of requested Job,
6	New Job	Clear all previous setting to start a new print submission.
7	File Selected Area	Displays file names and the file size of selected files
8	Select	Browse to select the file(s) for printing from the PC / LAN
9	Remove / Remove All	Deleting one or all files from the job list.
10	Job Settings	Pen table selection, Media type selection, Stamp selection, Rotate / Fold selection, number of copies selection and print / image size.
11	Header / Header Position	Inserting a Header and position of the Header on the print
12	Printing Options	Provides Mirror, Invert and Collation capability
13	Email Communication	Add an email address to send auto response for job acceptance
14	Job Submission	Send a job / files
15	History Queue	View and Re-Submit Jobs
16	Printer Configuration	Change Printer Settings

2.0 Operation Details

2.1 Login Screen

To access the PrintNET host, in the address line of your web browser type in the URL of the Server / PC that hosts the KIP Job submittal tool application. It is important to use the syntax in the following format:

http://Host Name. or IP address

Please contact your network administrator for your URL to the KIP printer as installation will differ.

This link will take the user to the login web page.



Users are required to enter a login name and password as assigned by an Administrator. The 'User Name' can be a combination of numbers and letters up to 30 characters long. Upon login, the user will be able to see the KIP PrintNET web page.

If prompted to install Persits XUpload, click *Install (first time use only. If you are unable to install this "plug in" please contact your network administrator for access)*



2.2 Logout

Once the user has completed a job submission, they may 'Logout' of the KIP PrintNET web page.

2.3 Admin Setup

Please see the section *Installation and Setup* near the end of this section for details regarding Administrative functions and features.

2.4 Requester Region

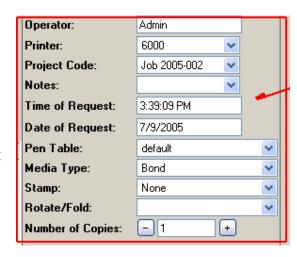
1) Operator

This displays the login name of the person who logged in using their user name and password.

2) Printer

User can make their choice of printer that is available on the network to send print jobs to. The printer setup is explained in the *Installation and Setup* section.





3) Project Code

User has the choice of using administratively defined job numbers from this list as in KIP Request software.



4) Notes

This field allows user to enter a description for specific print jobs as in KIP Request software

5) Time of Request

This field displays the system time at the time of submission. This field can be used to schedule a job at a certain time, as in KIP Request software.

6) Date of Request

This field is displays the system date at the time of submission. This field can be used to schedule a job on a certain date, as in KIP Request software.

7) Pen Table

User has the choice of specifying a pen table associated with a selected vector files.

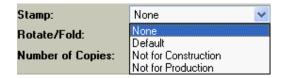
8) Media Type

User has the choice of Bond, Vellum and Film media. Additional media types can be added to this field. Additions are made in the 'Winreq.ini' file. For more information, please see *Installation and Setup* section.



9) Stamp

Users can choose to apply an available stamp scheme to printed documents. Stamps that can be used here are created using the 'KIP Request' software.



10)Rotate / Fold

Users can choose to use one of the available Rotate / Fold schemes. Schemes for 'Fold / Rotate' that are available here are created using the 'KIP Request' software.

11) Number of Copies

Users select number of copies to print.

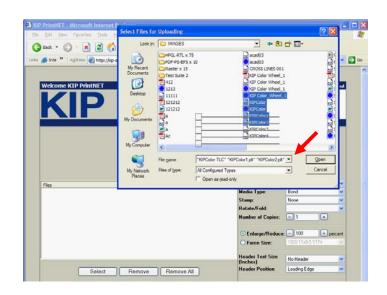
2.5 File Selection Area

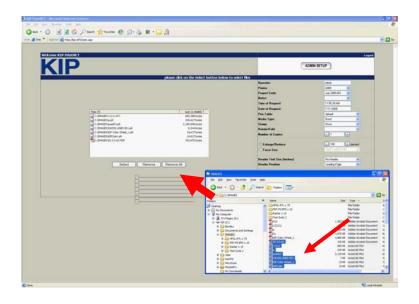
In this section, users can add or review the files they have selected for printing.

2.6 File Selection

There are two methods to add new files for printing.

- 1) Use "Select" to add a file to be printed. This will launch a new window for section of the required files. Select the files using Windows commands (Crtl+Click, or Shift+Click or a simple click) then select "Open" after highlighting the file(s)
- Drag and drop feature is available here. Use Windows Explorer (or other browser as a separate window) to highlight, then drag and drop files into the KIP PrintNET File select region.





2.7 Remove

Select the file and use "Remove" to deselect a file that is not required to be printed



2.8 Remove All

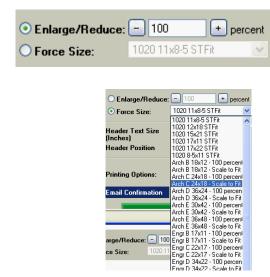
Removes all files from the file selection area.



2.9 Enlargement / Reduction & Force Size

The entire set of documents selected can be reduced or enlarged from 25% up to 400%.

If the user would prefer to print files to a specific size media, the 'Force size' feature is available. Entries in Force Size are determined by KIP Request software.



2.10 Header size and Position

Header (0.1 mm to 1.5mm) can be deployed on the leading edge or trailing edge of printed output.

2.11 Mirror / Invert / Collate

Users can choose to mirror or invert and set collation can be enabled.



Mirror Invert

Collate

Printing Options:

2.12 Email Confirmation

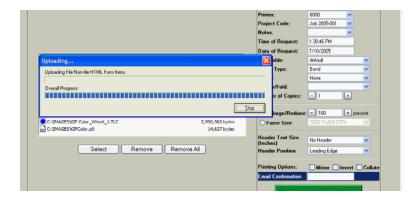
Users may enter an e-mail address where confirmation of a print job submission will be sent. The *Installation and Setup* section of this document describes this feature and the function in greater detail.



2.13 Submit Print Job

This sends the selected print files and job information to the host PC for printing.

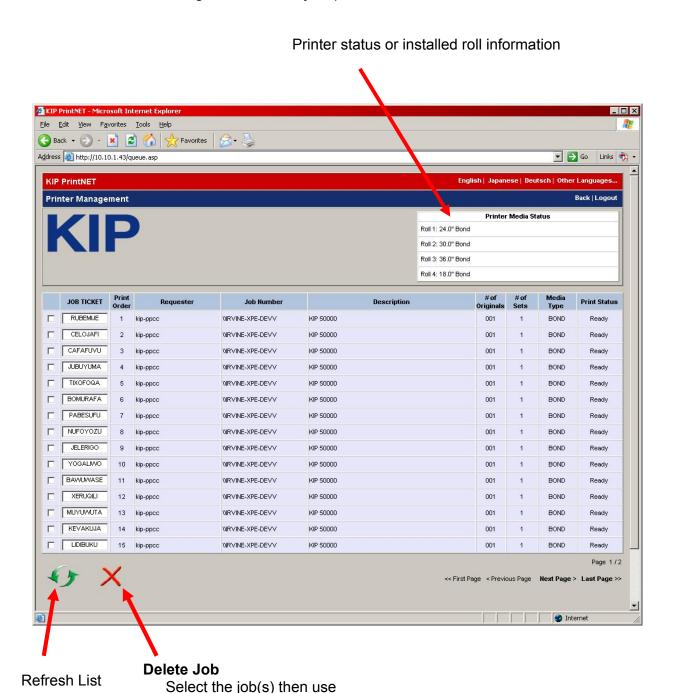




2.14 Manage Queue

To use this feature the IP or URL of the KIP 5000 must be known. That is a HOST PC configuration can not access the print queue, only direct connection to the KIP 5000.

Select this button to manage and view the job queue in the KIP 5000 Printer.



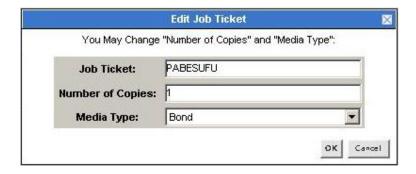
this button to remove

Edit Job

To edit a job, right click on the JOB TICKET name and select Edit Job Ticket.



A window will come on the screen allowing you to change the Number of Copies and Media Type. Select OK when done.



Note:

Queue Management will work only if connected directly to the IPS on the KIP 5000.

3.0 Installation

The KIP 5000 has the services required for direct connection so no additional hardware is required. However, if more than four concurrent uses will submit jobs to the KIP 5000 a HOST PC must be used!

3.1 Requirements: Host PC Operating System

- Microsoft Windows 2000/2003 Server or Microsoft Small Business Server
- 2. IIS 5.1 or later.
- 3. KIP Request 6.0 or later must be installed on the host PC.
- 4. KIP Request 6.0 must have a username "admin" and a password "kip" for initial KIP PrintNET configuration.

3.2 Requirements: Host PC NTFS Permission

1. Internet Guest Account (IUSR_XXXX)* requires read/write/modify NTFS permissions to the following files for KIP Request and KIP PrintNET applications:

\include\emailsettings.asp \Request\winreq.ini

 Internet Guest Account (IUSR_XXXX)* and "Network Service" System Object requires read/write/modify NTFS permissions to the following directories for KIP Request and KIP PrintNET applications:

> \Request\ \Request\Settings \Uploads**

* IUSR_XXXX where XXXX represents the Computer Name hosting the KIP PrintNET application

** Uploads location is defined by a System Environment variable 'KIPN' followed by Uploads subdirectory. By default, KIPN is set to the installation path of KIP PrintNET specified at installation.

3.3 Requirements: Host PC Network Protocol

- 1. TCP Port 80 inbound for web page content delivery and document upload functionality.
- 2. Connection to TCP Port 8421 outbound for delivery of print jobs to KIP Printer
- 3. Connection to TCP Port 25 (optional) outbound for e-mail delivery confirmation.

3.4 Host PC Installation

- Ensure installer has local Administrative privileges
- Install KIP Request on the Host PC. (please see the KIP Request section see install KIP Software CD)
- Execute the KIP PrintNET installation by double-clicking on the KPNSetup_v2.2.exe (see KIP Software CD)
- 4. Read and accept the KIP End User License Agreement.

5. Enter User Information and Company Information:

- Select Installation directory. (Default is C:\Program Files\KIP\PrintNET)
- 7. Click Next to complete installation:

KIP PrintNET creates a virtual directory with the alias 'PrintNET' on the instance of IIS provided by the Host PC.





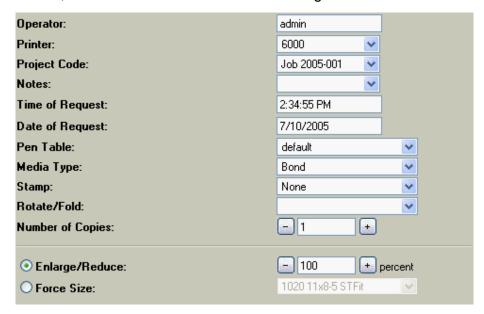




4.0 Host PC Configuration

This section of the document explains how to setup certain user settings for use inside of KIP PrintNET. This section requires advanced knowledge of KIP Request software and its configuration settings on the host system as defined by Winreq.ini. Changes made in Winreq.ini on the host PC are reflected in KIP PrintNET.

From the main screen, our main focus will be on the following features:



a) Requester, Job Number, and Description

To edit, open Winreq.ini on the Host PC and scroll to the following lines:

Prompt=Job Number: RequesterPrompt=Requester: DescriptionPrompt=Description:

Requester Job Number and Description fields can be edited to match user requirements. An example is shown below:

Prompt=Project Code: RequesterPrompt=Operator: DescriptionPrompt=Notes:

Please refer to KIP User Guide for KIP Request software for more information

b) Pen table

Available pen table files are created and defined within KIP Request. KIP PrintNET software will use pen tables defined in KIP Request.*

Please refer to KIP User Guide for KIP Request software for more information on pen table setup

c) Media type

Available media types 'Bond', 'Vellum', 'Film' are defined within Winreq.ini KIP PrintNET software will use the media types tables defined in winreq.ini Winreq.ini can be edited to allow more media types. An example showing an additional defined media 'TBond' is shown below. Up to six (6) character long names can be chosen for Media types. To edit, open Winreq.ini on the Host PC and scroll to the following lines

[PaperTypes]
Paper0=Bond
Paper1=Vellum
Paper2=Film
Paper3=TBond

d)Stamp

Available stamps are created and defined within KIP Request. KIP PrintNET software will use stamps defined in KIP Request.*

Please refer KIP Technical User Guide for KIP Request software for more information on pen table setup

e) Rotate / Fold

Available Rotate / Fold parameters are defined within KIP Request. KIP PrintNET software will use Rotate / Fold parameters defined in KIP Request.*

Please refer KIP Technical User Guide for KIP Request software for more information on Rotation and Fold parameters

f) Enlarge / Reduce and Force -Size settings

Standard enlargement and reduction ratios 25%, 50%, 66.7%, 75%, 150%, 200% and 400% are non-modifiable. Additional Force-Size settings are created and defined within KIP Request. KIP PrintNET software will use Force-Size settings defined in KIP Request.*

Please refer KIP Technical User Guide for KIP Request software for more information on Force-Size settings

5.0 Configuration

Verify local host access to KIP PrintNET by opening your web browser and entering http://localhost/PrintNET

The main login screen to the KIP PrintNET software should appear.



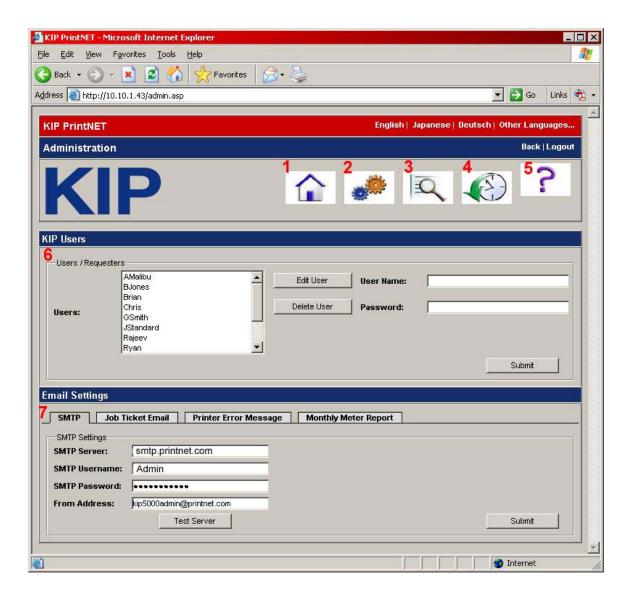
Both the user name and password for Administrative access to KIP PrintNET must be defined within KIP Request software using Prompt Setup operations for the Requester field. Requester prompt must be configured as "Required" from the pulldown list.

The default user name for accessing the Administrative account is: admin The default password for accessing the Administrative account is: kip

After administrative authentication, select Admin Setup.



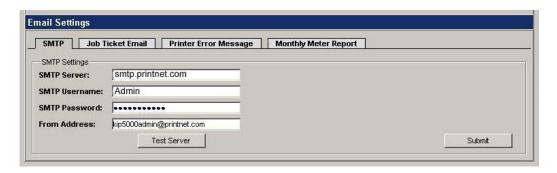
5.1 Administrative Screen



1	Home Screen	
2	Printer Configuration Screen	
3	Job List Screen	
4	Job History Screen	
5	User Guides	
6	Add, Edit, and Delete Users	
7	Email Settings	

5.2 Email Settings

SMTP



Setup SMTP Server and Email settings. Click Submit when finished.

SMTP Server: Name or IP Address of your Email Server.

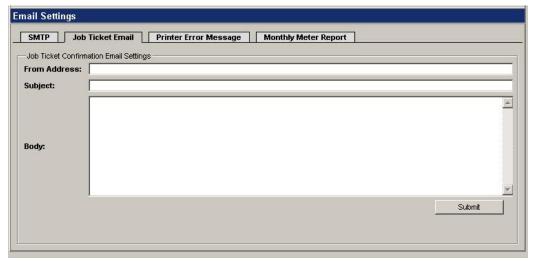
SMTP Username: Login name for Email Server.

SMTP Password: Password for login.

From Address: Email Address that will show in the from field.

Click the Test Server button to test login credentials.

Job Ticket Email



This section sets the E-Mail message that is sent when a job is submitted through PrintNET and a receipt is requested.

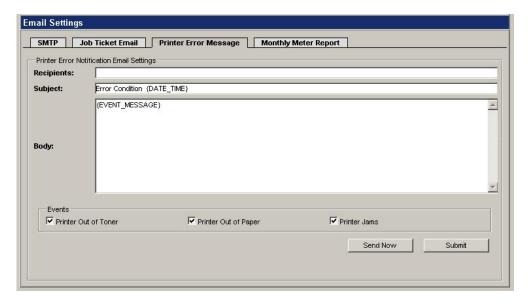
From Address: Email Address that will show in the from field. You can put multiple address in separated by a semicolon ";".

Subject: Subject of the Email.

Body: Body of Email.

NOTE: You can right click in the Subject or Body sections and select a macro to be automatically filled in when message is sent. You can choose from Job Ticket, Requester, Job Number, and Description.

Printer Error Message



E-Mail is sent every time one of the selected events is triggered. You can choose from Out of Toner, Out of Paper, and Paper Jams.

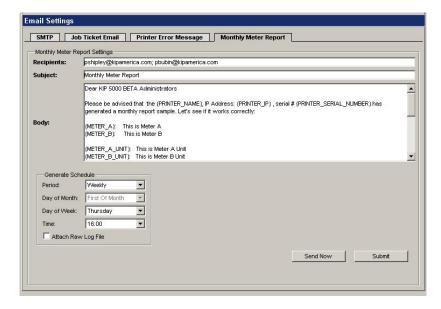
Recipients: Email address that will be set to. You can put multiple address in separated by a semicolon ";".

Subject: Subject of the Email.

Body: Body of Email.

NOTE: You can right click in the Subject or Body sections and select a macro to be automatically filled in when message is sent. You can choose from Date/Time, Event Message, Printer Name, Printer Serial Number, IP Address, Dealer Name, Dealer Phone Number, Meter A, Meter A Unit, Meter B, Meter B Unit, and Total Run.

Monthly Meter Report



E-Mail sent for meter reports. This can be scheduled Weekly or Monthly.

Recipients: Email address that will be set to. You can put multiple address in separated by a semicolon ";".

Subject: Subject of the Email.

Body: Body of Email.

NOTE: You can right click in the Subject or Body sections and select a macro to be automatically filled in when message is sent. You can choose from Printer Name, Printer Serial Number, IP Address, Meter Reading Date, Meter Reading Time, Meter A, Meter A Unit, Meter B, Meter B Unit, Copy, Network Print, Scan, and Total Run.

5.3 Printer Configuration

NOTE: Undesired output might occur if settings are changed.

This section is for configuring the printer. After making necessary changes click on submit. Changes will be sent to the printer and after 20 seconds the new settings will be displayed.



Basic Configuration

Printer Name

The name of this printer.

Historical Queue

Sets size limit of the historical queue. A "0" (Zero) setting will turn off. Measured in Gigabytes. The range can be set from "0" (Disabled) to "25".

Print Setting

Sets selection for paper size.

Copy Density Value

Sets density values for prints.

Output rotation

Rotates landscape/portrait based on selection.

Reprint

Sets the number of copies to reprint after a jam condition. This value is used as default.

Sets the number of inches to reprint after a jam condition. If a value is set here it will override the default copies to reprint.

Advanced Configuration

Print Separator Sheets

Sets where separator sheets are printed.

Deck Info

Sets Media selection. Custom Media Types can be added here.

Other

Min Cut Length – Sets the minimum length a sheet can be cut to, measured in Inches. Default 8.25".

Max Image Length – Sets maximum image length that can be printed, measured in Inches. Default 600".

HPGL Min Line weight – Sets the minimum line weight for HPGL pens, measured in Inches. Default .003".

HPGL Min Grayscale – Sets the minimum setting for grayscale. Default 1. DWF Min Line weight – Sets the minimum line weight for DWF images. Default 1.

Image Width Removal – Sets how much with of the image is removed, measured in pixels. Default 75.

Lead Edge Void – Sets the amount of the leading edge is ignored, measured in pixels. Default 50.

Delay Between Collated Sets – Sets the print delay in between collated sets, measured in seconds. Default 1.

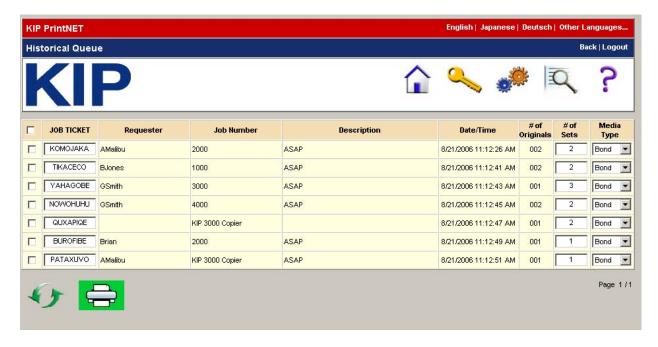
Custom Media Types

Lists and sets Media Types.

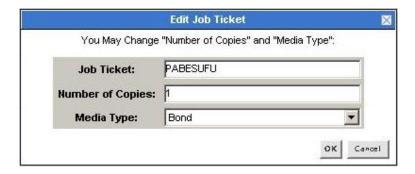
7-21

5.4 Job History

The Job History screen displays a list of jobs that have been printed.



To edit a job, right click on the Job Ticket name. The following screen shows up and you can then change the number of copies and media type.

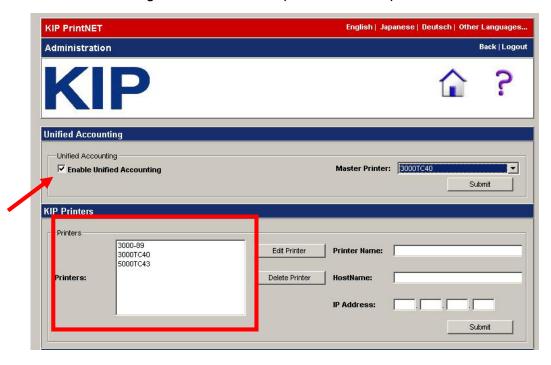


Click on the Print icon to re-submit the jobs selected.



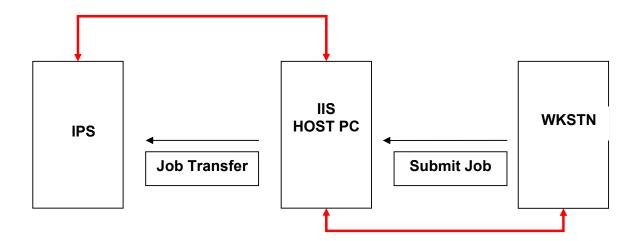
5.5 Unified Accounting

This feature becomes available when multiple printers are used in a server environment. If Unified Accounting is wanted a host printer needs to be selected from the list of printers on the IIS Host. All accounting information will be pulled from this printer.



When using Unified Accounting the Workstation and IPS DO NOT Communicate directly with one another.

In this diagram shows how the Workstation communicates with the IIS Host and the IIS Host then communicates with the IPS inside the selected printer.



6.0 Appendix

Other Web Browsers

This document is created using the most popular web browser at the time of publishing. Other browsers are available which may change operation of KIP PrintNET. This is based upon the ActiveX abilities of the browser and the OS. Here are a few other examples of browsers that are available to submit prints using KIP PrintNET.

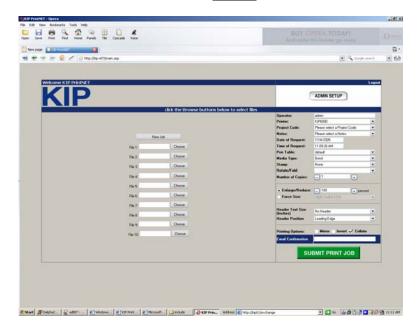


KIP PrintNET on Mozilla Firefox





KIP PrintNET on Opera



KIP PrintNET installs the following files and folders to a user specified installation directory:

\admin.asp Administration Page

\aspupload.dll Provides upload functionality \checkp.asp Provides form functionality

\default.asp Default Login Page \dragdrop.asp File Selection Window

\logout.asp Provides Logout functionality \main.asp Main User Interface Page

\mainsubmit.aspProvides Job Submit functionality\newjob.aspProvides New Job action functionality\simpleupload.aspProvides Non ActiveX upload functionality\xupload.aspProvides ActiveX upload functionality

\xupload.ocx ActiveX Control

\css\sft.css Contains font formatting

\images\adminbutton.jpg User Interface Graphic \images\back.jpg User Interface Graphic \images\button2.png User Interface Graphic \images\kiplogo.jpg User Interface Graphic \images\kiplogo.gif User Interface Graphic \images\minus.gif User Interface Graphic \images\plus.gif User Interface Graphic \images\return.jpg User Interface Graphic \images\submit.jpg User Interface Graphic

\include\email.asp Provides e-mail functionality \include\emailsettings.asp \include\formcheck.js \include\settings.asp \include\set

\include\utils.asp Contains detection of user web browser capability

\include\x.js Contains additional rules for form fields

\inclide\xmlhttprequest.js Contains Opera webbrowser upload capability

\libs\kiputils.dll Provides job submission to KIP printers

\Uploads Directory for accepting submitted print jobs

7.0 Frequently Asked Questions (FAQ)

- Q: When I connect to KIP PrintNET, I am prompted to install an ActiveX control. What is this? I do not see the "browse" area that allows me to select my files for printing. Why?
- A: KIP PrintNET uses an ActiveX control for those using Internet Explorer web browsers. You must allow the ActiveX control permission to load. If the ActiveX control does not load it may be because some facilities prevent ordinary users from loading ActiveX controls / content without proper computer and / or network permissions. Please see your administrator.
- Q: When I submit a large print job, my web browser hangs even though the progress bar says 0:00 seconds left.
- **A:** KIP PrintNET verifies that each file was received by the Hosting PC. Once this verification is completed, control is given back to the web interface
- Q: I am getting an error when submitting my print job. I see some error codes.
- A: Errors while submitting print jobs are most likely caused by a permissions issue at the PC hosting KIP PrintNET. The Internet Guest User on the hosting PC (IUSR_XXXX) requires read / write / modify permissions applied to the Uploads directory defined in settings.asp. Please see your administrator regarding this type of issue.
- Q: Do I have to use Windows 2000 Server or Windows 2003 Server?
- **A:** Not necessarily. Windows 2000 Professional and Windows XP Professional contain a stripped down version of IIS, but is limited by concurrent connection limits, and full IIS features and capabilities.
- Q: What is IIS 5.1? How do I get it?
- A: IIS stands for Internet Information Services and is provided by Microsoft in Windows 2000 Professional, Windows 2000 Server, various versions of Small Business Server, Windows XP Professional, and Windows 2003 Server. Within Add / Remove Programs, select Add / Remove Windows Components. IIS is an option in this area.
- Q: Can KIP PrintNET run on previous version of IIS? What about Windows NT 4 Server?
- A: No. The necessary controls for providing / hosting KIP PrintNET require IIS 5.1 or better implementations. Windows NT 4 Server does not contain a version suitable for KIP Print Net
- Q: How do I change the location where Uploads are stored on the Hosting PC?
- A: KIP PrintNET defines a system environment variable at installation time called KIPN. The "Uploads" folder is a directory inside of the path specified by the KIPN system environment variable. Change the value of KIPN environment variable and create an uploads folder within the new path.
- Q: How long are Uploads stored in the Uploads location on the PC hosting KIP PrintNET?
- A: KIP PrintNET purges the Uploads directory of any compressed files older than two (2) days from the time received.

Section 8

Productivity Reports

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1.0 Productivity Reports - KIP 6.2 Software

The KIP Productivity Reporting is designed to use information gathered from accounting fields in KIP Request along with various applications that have been linked to KIP Request such as:

KIP AutoCAD Driver KIP PrintNet KIP Windows Driver KIP 5000 Copy and Scan

By sharing accounting data generated in KIP Request users have the ability to link multiple application using the same accounting rules. This allows managers to generate reports that have valuable accounting information and can be manipulated to get the desired output including the following:

- KIP productivity reporting package generates reports of meter readings and accounting data on a daily, weekly or monthly time cycle.
- Reports include detailed authorization, accounting and meter information.
- Reports can be opened into Notepad or exported as an ASCII file format.
- Reports can be sent via SMTP to any email capable device (i.e. PC, PDA, Cell Phone)

There are three main accounting fields:

KIP Request

- Requester This is a field which can be used for accounting. Information entered is applied to the KIP Job and Print Logs.
- Requester:

 Job Number:

 Description:
- Job Number This is a field which can be used for accounting. Information entered is applied to the KIP Job and Print Logs.
- Description This is a field which can be used for accounting. Information entered is applied to the KIP Job and Print Logs.

When these fields are set up correctly and have been configured as "required" in the Request software the "rules" will carry over to the other application

AutoCAD Driver

From with the KIP AutoCAD driver



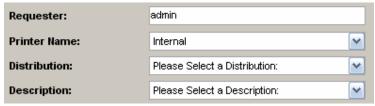
KIP 5000 User Log on Screen

On the Copy / Scan screen if accounting enabled



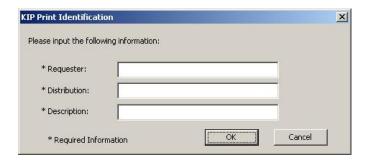
PrintNet

Accounting fields entered into the Request software installed on the Web server host pc being utilized by KIP PrintNet will also be transferred to the to users accessing the PrintNet via the intranet or internet.



KIP Windows Printer Driver

The KIP Windows driver will retrieve the accounting list and rules from the KIP IPS.



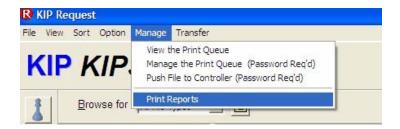
8-3

2.0 Creating Productivity Reports

Productivity reports can be generated from KIP Request 6.x and can be very helpful in keeping track of accounting data. These can be generated on a daily, weekly, monthly or custom time frame.

The Productivity reports can be accessed by doing the following:

a) On the Request main screen select "Manage" from the menu bar and then select "Print Reports"

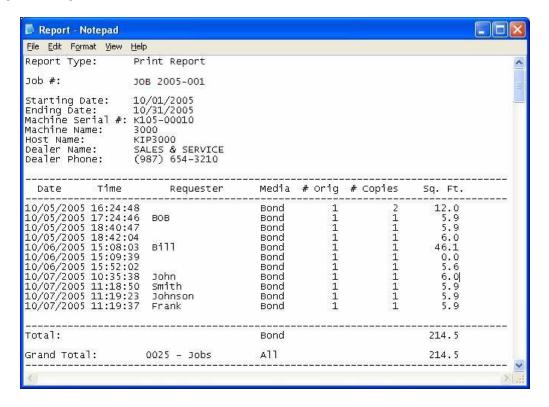


- b) The Following window will appear. This is where the currently selected printer information will be displayed. There are three different types of reports that can be generated from this screen:
 - Printing
 - Scanning
 - Meter Reading



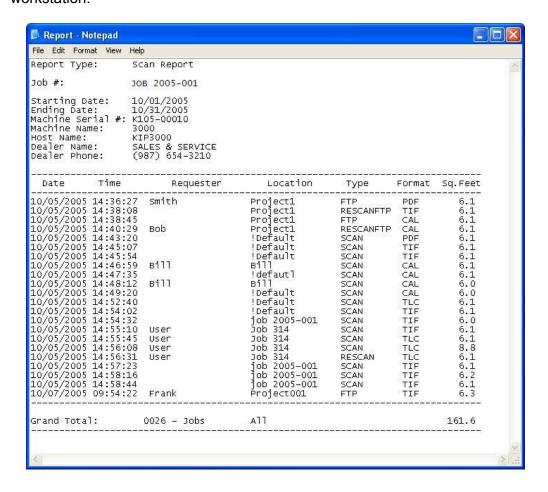
2.1 Printing

This report will include both prints and copies that have been sent to the 5000 print engine. The report will include Date, Time, Requester, Media, # of originals, # of Copies and Sq. Feet. The information for Requester and Job Number shown below are gathered from all KIP printing applications. The user can select the Start Date and the End Date of the report along with where to print the report. The report can be sent directly to the default printer attached to the PC generating the report to Microsoft Notepad (or other ACSII reader) or to any file location accessible to the generating workstation.



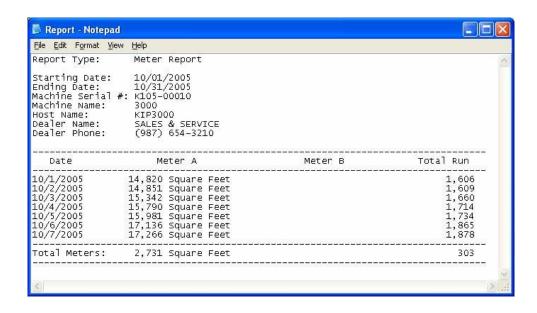
2.2 Scanning

This report will include all files that have been scanned to file using the Scan Mode of the 5000 UI. The report will include Date, Time, Requester, Location, Type, Format and Sq. Feet. The information for Requester shown below is gathered from all KIP printing applications. The user can select the Start Date and the End Date of the report along with what to do with this data. The report can be sent directly to the default printer attached to the PC generating the report to Microsoft Notepad (or other ACSII reader) or to any file location accessible to the generating workstation.



2.3 Meter Reading

This report will include daily Meter readings from the desired dates set in the Start Date and End Date. The report will include Date, Meter A, Meter B (KIP 8000 Only) and Total run. This meter reading should closely match the actual meter reading on the KIP 5000 printer. The user can select the Start Date and the End Date of the report along with what to do with this data. This report is calculated once per hour or when the KIP 5000 is started. The report can be sent directly to the default printer attached to the PC generating the report to Microsoft Notepad (or other ACSII reader) or to any file location accessible to the generating workstation.



3.0 Automated Metering

Overview

The PrintNet software built into every KIP IPS includes the ability to automatically generate reports that covers a complete month of copying, scanning, and network printing. The automatic generation of Monthly Meter reports is designed to provide simple cost recovery information and general meter readings from the Log data that is stored on the IPS. The timing of the report can be triggered on a specific day of the week or day of the month (beginning, middle or end) at a specific time. The report form is customizable and allows the manager to decide the content of the report. For example, the report can be as simple as a single meter reading or it can be comprehensive and include two different meters as well as information on copy, scan, and network printing volumes. A PDF version of the monthly report is included to ensure easy portability.

3.1 Configuration of the Monthly Meter Report

The configuration of the Monthly Meter Report is completed via web browser to the IP address of the KIP Printer. Only the "admin" login can be used to change or generate the Monthly Meter Reports. The default login when the system arrives from KIP is "admin" and the password is "kip". This can be changed after logging in as "admin" in the KIP Users area of PrintNET. Important Note: If the "admin" account and password are not part of the accounting data that is configured in KIP Request and pushed to the IPS, then the login will not be possible. Please be sure that if you are pushing accounting data to the IPS from KIP Request that the "admin" account is included as one of the entries.

3.2 Process for configuring Monthly Meter Report

- a) Connect to IP address of KIP printer using a web browser.
- b) Login as "admin", select the icon to enter the **Email Settings** area.
- c) Configure the **SMTP** email settings in the **Email Setting** area.
- **Important Note:** The email settings must work properly first for the Monthly Meter Report to function. The email settings for SMTP Server, Username and Password are available from the IT administrator.
- d) Configure the Monthly Meter Report Settings. Use a "right-click" to view the macros that can be used within the report. After choosing a macro, the text for that macro will show in the report. Eg: {CURRENT_COPYING} is the macro for obtaining the copy volume within the report.
- e) Save the settings choose the "Submit" to save the settings.
- f) Test the Report Generation choose "Send Now" to test the settings or to generate an instantaneous report.

3.3 <u>Different Types of Meters</u>

Various printing, copying, and scan-to-file meters are available within the automated report:

- a) **Meter A** that totals the overall number of Square Feet or Linear Feet of printing and copying that has occurred.
- b) **Meter B** is a secondary meter for the KIP 8000.

- c) The **Total Run** is a meter that covers the overall total linear amount of media has been fed through the machine over the life of the printer.
- d) The **Copy** and **Network Printing** meters individually capture the number of square feet for copying and network printing volumes.
- e) The **Scan-to-file** meter captures the number of square feet for documents that are scanned to any of the available file formats.

3.4 Report Schedule

The <u>Generate Schedule</u> area of the Monthly Meter Report that allows the manager to set the time period for how often the report is automatically created. The report can be scheduled to print every week or once a month. Please note that the printer and IPS have to be powered ON and connected to the network in order for the scheduled report to be automatically generated on the scheduled date.

Choices for the "Generate Schedule" feature:

• Weekly:

The IPS will email the report automatically on the **Day of the week** at the specified **Time of Day**. Choose the day of the week (**Monday – Sunday**) and **time**. At this setting, 4-5 reports are automatically generated per month **OR**

• Monthly:

The IPS will email the report automatically on the **Day of the Month** at the specified **Time of Day**. Setup of the feature allows for choosing which day from the 1st, 15th, or last calendar day of the month and time. At this setting, 1 report will be automatically generated per month on the scheduled date.

3.5 Email Address Support

The Monthly Meter Report can be emailed to several types of email addresses simultaneously. For example, the report could be sent to a local email address while at the same time sent to a cell phone. Each email address needs to be separated by a semi-colon. The "send now" feature is the best test to confirm that the IT administrator provided the correct SMTP connections and is allowing the IPS to send emails to the specific email addresses.

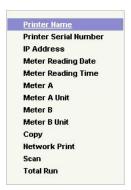
3.6 IPS Log Data

In addition to a PDF of the Monthly Meter Report, the raw log data used in creating the report can be delivered as an attachment to the email address. There are three types of comma delimited ASCII data used in creating the report:

- a) Copy and Network Printing Log named MMMYY.log such as Aug06.log.
- b) Scan-to-file log named STFMMMYY.log such as STFAug06.log
- c) Meter Reading log named MeterMMMYY.log such as MeterAug06.log.

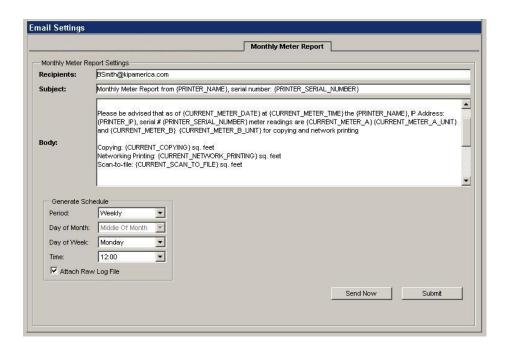
3.7 <u>Macros available via "right-click" to include in the Monthly Meter Report:</u>

- Printer Name Computer name of KIP IPS
- Printer Serial Number entered at IPS Service UI
- IP Address IP address of KIP IPS
- Meter Reading Date date that report was generated based on the date setting on the KIP IPS.
- Meter Reading Time time that report was generated base on the time setting on the KIP IPS.
- Meter A Meter A measures the square footage of all



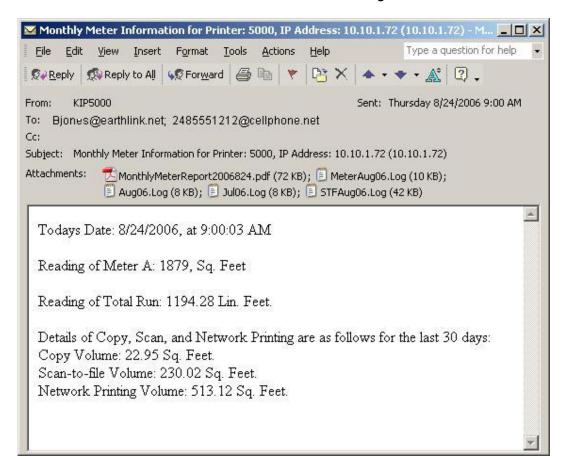
- printing and copying and generally matches the mechanical meter on the front of the machine. Meter A can be reset or adjusted by a Service Technician in the Service Mode settings as shown in the Service Manual (Chapter 8) "Software Counter". The Meter A information is read directly from the printer and stored in the MeterMMMYY.log in the specified value set in the Service Settings.
- Meter A Unit the value of Meter A can be either Linear Feet or Square Feet.
 The factory default is Square Feet which can also be changed by a service technician in the Service Settings Counter Setting. The Meter A unit of measure is read directly from the printer and stored in the MeterMMMYY.log in the specified value set in the Service Settings.
- Meter B and Meter B Unit same function as Meter A, but is a second meter only available on the KIP 8000.
- Copy places into the report the Copy volume for the past 1 month. For example, if today is 8/23 at 4 pm, the Copy volume will cover from 7/23 at 4 pm up to 8/23 a 4 pm. This measurement includes all copying functions performed via the touch screen of the KIP IPS. Data reported will always be in Square Feet. The raw log data contains the word "copy" embedded in the MMMYY.log on the KIP IPS.
- Network Print places into the report the Network Printing volume for the past one month. All items that's are considered network printing have the word "request" embedded in the MMMYY.log on the KIP IPS. This includes all items sent from the KIP Request, KIP PrintNET, Windows Driver, AutoCAD Driver, and data sent via LPR from Windows/Unix/Apple networks. Data reported will always be in Square Feet.
- Scan places into the report the Scan-to-file volume for the past one month. All items that are considered scan-to-file are extracted from the STFMMMYY.log on the KIP IPS.
- Total Run the value of the Total Run is always in Linear Feet. The Total Run meter is read directly from the printer and stored in the MeterMMMYY.log in linear meters, but converted to linear feet for the reports.

Shown below is a sample of the configuration menu:



3.8 Sample Report:

This is an example of a Monthly Report that contains meter readings and details of copy, scan-to-file, and network printing volume. The email was sent to a local email account as well as to a cell phone/PDA. A PDF of the report is automatically included. The raw log data that was used to compile the report is also included as attachments to the email. The raw log data can be used

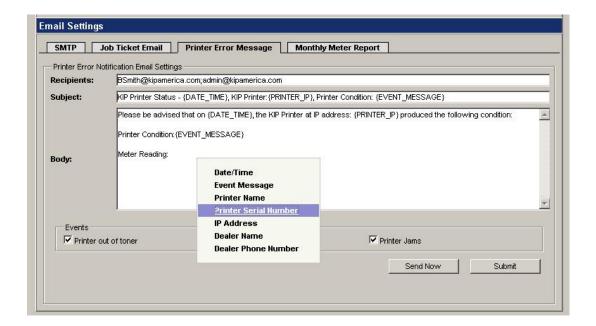


4.0 Automatic Email Reports

Overview

An e-mail notification system can be activated which will provide printer status information to any accessible email address. The KIP IPS utilizes the same SMTP email settings to send the email notifications. In the event that the paper or toner supply is depleted, designated users may have email alerts sent to their choice of PC, laptop, PDS, or cell phone based emails. The IPS is capable of sending an email whenever the following events occur:

- Printer: out of toner.
- Printer paper jam.
- · Printer of out media.



4.1 Process for Configuration of Email Report for Printer Error Messages

- a) Connect to the IP address of the KIP printer using a web browser.
- b) Login as "admin", select the icon to enter the **Email Settings** area.
- c) Configure the **SMTP** email settings in the **Email Setting** area. **Important Note:** The email settings must work properly first for the Printer Error

Message to function. The email settings for SMTP Server, Username and Password are available from the IT administrator.

- d) Configure the Printer Error Message email settings. Use a "right-click" to view the macros that can be used within the report. After choosing a macro, the text for that macro will show in the report. For example, {EVENT_MESSAGE} is the macro for placing the printer error message that has occurred (Printer Jam or Printer out of toner).
- e) Save the settings choose the "Submit" to save the settings.
- f) Test the Report Generation choose "Send Now" to test the settings or to generate an instantaneous report.

4.2 Email Address Support.

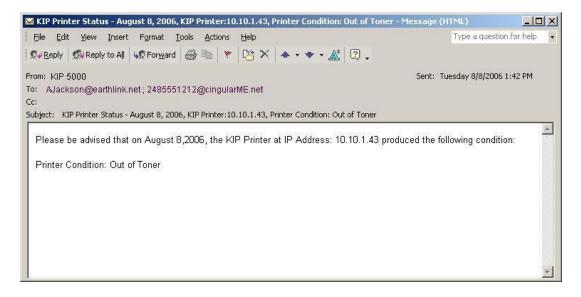
The Printer Error Message can be emailed to several types of email addresses simultaneously. For example, the report could be sent to a local email address while at the same time sent to a cell phone. Each email address needs to be separated by a semi-colon. The "send now" feature is the best test to confirm that the IT administrator provided the correct SMTP connections and is allowing the IPS to send emails to the specific email addresses.

4.3 Macros available via "right-click" to include in the Monthly Meter Report:

- Date/Time Date and Time the message was generated by the IPS.
- Event Message generic term for any of the three issues that could occur:
 - 1. Printer: out of toner.
 - 2. Printer paper jam.
 - 3. Printer of out media.
- Printer Name Computer name of KIP IPS.
- Printer Serial Number entered at IPS Service
 UI and stored in the Winuntd.ini of the Print Queue software.
- IP Address IP address of KIP IPS.
- Dealer Name entered at the IPS Service UI and stored in the Winuntd.ini of the Print Queue software.
- **Dealer Phone Number** entered at the IPS Service UI and stored in the Winuntd.ini of the Print Queue software.

Sample Email

The following is a sample email that was received from a KIP printer after the condition of Out of Toner occurred. The email was sent to a local email address as well as to an cell phone/PDA.



Section 9

Connectivity

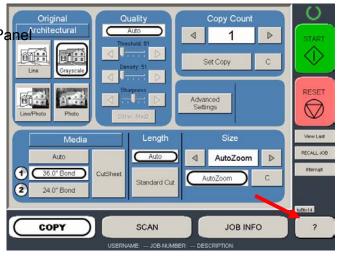
		Page
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	A – Printing from Microstation	
	B – Printing from MAC OS 9	
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	Terminology and Base KIP Function	

1.0 IP Addressing

1.1 Configuration Mode

To access and set the IP address:

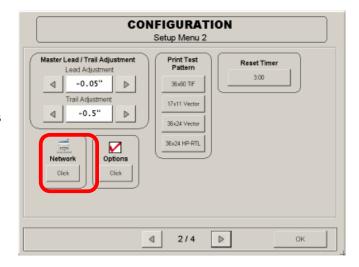
a) Press the "?" button on the Operator Panel rehitectural



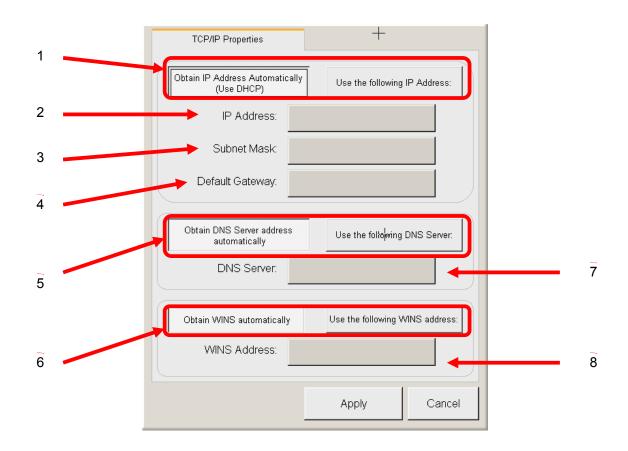
b) Then press the "Configuration" button



- c) Enter "Setup Menu 2" and locate "Network"
- d) Click "Network" to enter TCP/IP
 Properties Page. Please note that if
 the settings are locked a Certified
 Service Technician must grant access
 this feature



1.2 TCP/IP Properties



No.	Name	Function
1	IP Setting	Selects DHCP assigned IP address or manually
		assigned address
2	IP Address	Displays IP address
3	Subnet Mask	Displays Subnet Mask
4	Default Gateway	Displays Gateway
5	DNS Setting	Selects DHCP assigned DNS address or manually
		assigned DNS address
6	WINS Setting	Selects DHCP assigned WINS address or manually
		assigned WINS address
7	DNS Address	Displays DNS address
8	WINS Address	Displays WINS address

1.2.1 DHCP / Manual IP Assigment

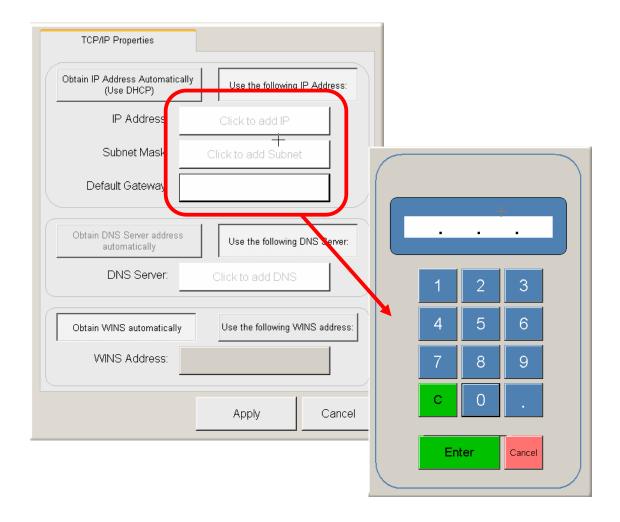
a) Press "Use DHCP" button for DHCP to assign IP address

Obtain IP Address Automatically (Use DHCP)

b) Press "Use Following IP Address" button to enter IP address manually

Use the following IP Address:

c) Enter desired IP Address, Subnet Mask, and Gateway



1.2.2 DHCP / Manual DNS Assigment

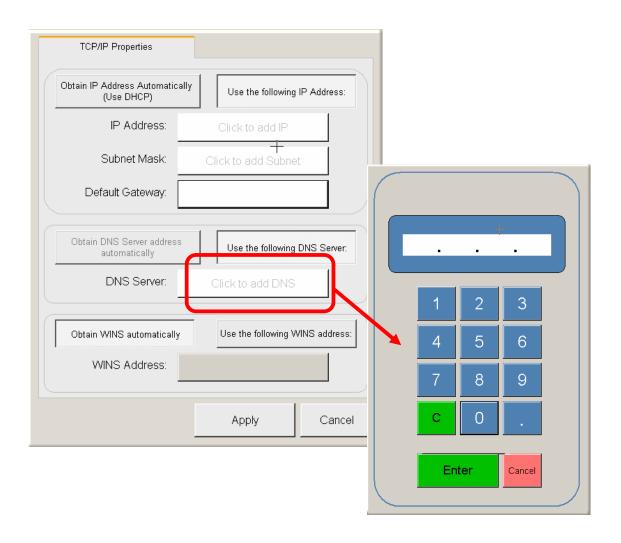
 a) Press "Obtain DNS" button for DHCP to assign DNS address

Obtain DNS Server address automatically

b) Press "Use the following DNS" button to enter DNS address manually

Use the following DNS Server:

c) Enter desired DNS Address



1.2.3 DHCP / Manual WINS Assignment

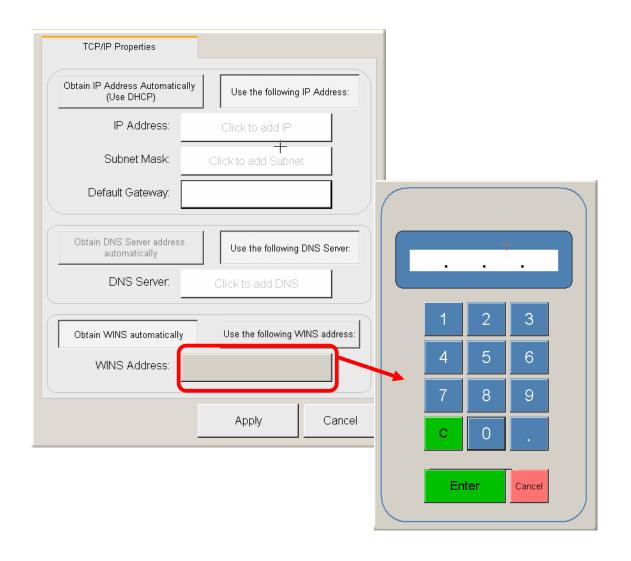
 a) Press "Obtain WINS" button for DHCP to assign WINS address

Obtain WINS automatically

b) Press "Use the following WINS" button to enter WINS address manually

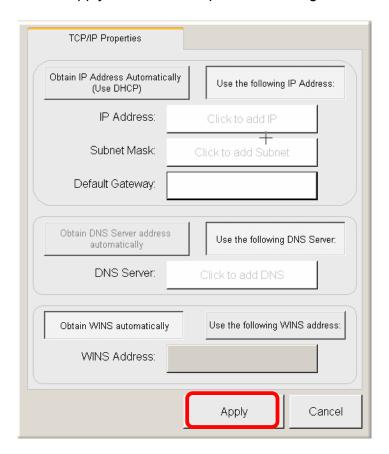
Use the following WINS address:

c) Enter desired WINS address



1.2.4 Apply Settings

a) Select "Apply" button to accept IP addressing information.



1.3 Exit Configuration

a) Select "OK" button to exit Configuration Menu

